

# SERVICE MANUAL



HF/50MHz ALL BAND TRANSC	FIVER
IC-756	

Icom Inc.

#### INTRODUCTION

This service manual describes the latest service information for the IC-756 HF/50MHz ALL BAND TRANSCEIVER.

MODEL	VERSION	SYMBOL
	U.S.A	USA
IC-756	Europe	EUR
	France	FRA

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.

#### DANGER

**NEVER** connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

DO NOT expose the transceiver to rain, snow or any liquids.

**DO NOT** reverse the polarities of the power supply when connecting the transceiver.

**DO NOT** apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



#### ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

- 1. 10-digit order numbers
- 2. Component part number and name
- Equipment model name and unit name
- Quantity required

#### <SAMPLE ORDER>

1110003350 S.IC µPC1037GR IC-756 MAIN UNIT 5 pieces 8810005770 Screw BiH M3 x 8 ZK IC-756 Bottom cover 10 pieces Addresses are provided on the inside back cover for your convenience.

#### REPAIR NOTES

- Make sure a problem is internal before disassembling the transceiver.
- DO NOT open the transceiver until the transceiver is disconnected from its power source.
- DO NOT force any of the variable components. Turn them slowly and smoothly.
- DO NOT short any circuits or electronic parts. An insulated tuning tool MUST be used for all adjustments.
- DO NOT keep power ON for a long time when the transceiver is defective.
- DO NOT transmit power into a signal generator or a sweep generator.
- ALWAYS connect a 50 dB to 60 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
- READ the instructions of test equipment thoroughly before connecting equipment to the transceiver.

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### SECTION 1 SPECIFICATIONS

#### ■ GENERAL

Frequency coverage:

Receive 0.030-60.000 MHz\*1

Transmit 1.800–1.999 MHz\*2 3.500–3.999 MHz\*2

28,000-29,700 MHz\*2 50,000-54,000 MHz\*2

\*1 Some frequency bands are not guaranteed.

\*2 Depending on version.

Mode : USB, LSB, CW, RTTY, AM, FM

Number of memory channels:

101 (99 regular, 2 scan edges)

• Antenna connector : SO-239  $\times$  2 and phono [(RCA); 50  $\Omega$ ]

• Usable temp. range: -10°C to +60°C (14°F to 140°F)

• Frequency stability: Less than ±200 Hz from 1 min. to 60 min.

after power ON. After that rate of stability less than ±30 Hz/hr at +25°C (+77°F). Temperature fluctuations 0°C to +50°C (+32°F to +122°F) less than ±350 Hz.

• Freq. resolution : 1 Hz

• Power supply : 13.8 V DC ±15 % (negative ground)

requirement

• Current consumption:

Transmit max. power 20 A Receive stand-by 2.5 A max. audio 2.7 A

• Dimensions : 340 (W) × 111(H) × 285(D) mm

13  $3/8(W) \times 4 3/8(H) \times 11 7/32(D)$  in

• Weight : 10.5 kg (23.1 lb)

• CI-V connector : 2-conductor 3.5(d) mm (1/8")

#### **■ TRANSMITTER**

Output power

SSB/CW/RTTY/FM 2–100 W AM 1–40 W

• Modulation system:

SSB, AM PSN modulation

FM Variable reactance modulation

• Spurious emission : 50 dB (HF bands)

60 dB (50 MHz band)

Carrier suppression: 40 dBUnwanted sideband suppression:

55 dB

• ΔTX variable range: ±9.999 kHz

• Mic. connector  $\,:\,$  8-pin connector (600  $\Omega$ ) • ELE-KEY connector: 3-conductor 6.35 (d) mm (1/4") • KEY connector  $\,:\,$  3-conductor 6.35 (d) mm (1/4")

SEND connector : Phono (RCA)ALC connector : Phono (RCA)

#### **■ RECEIVER**

Receive system

SSB, CW, RTTY Quadruple-conversion

superheterodyne

AM, FM Triple-conversion superheterodyne

Intermediate frequencies:

(Unit; MHz)

MODE	SSB	CW, RTTY	AM	FM
1st	69.0115	69.0106	69.0100	69.0115
2nd	9.0115	9.0106	9.0100	9.0115
3rd	0.455	0.455	0.455	0.455
4th	0.015625	0.015625	_	_

Sensitivity

SSB, CW, RTTY (10 dB S/N) 0.16 uV (1.80–29.99 MHz)\*1 (10 dB S/N) 0.13 uV (50.0–54.0 MHz)\*2 (10 dB S/N) 2 uV (1.80–29.99 MHz)\*1 (12 dB SINAD) 0.32 uV (50.0–54.0 MHz)\*2

\*1 Pre-amp 1 ON \*2 Pre-amp 2 ON

Squelch sensitivity (threshold):
 SSB/CW/RTTY Less than 5.6 uV
 FM Less than 1.0 uV

Selectivity

FM

SSB/CW/RTTY More than 2.4 kHz/-6 dB

Less than 3.8 kHz/-60 dB

AM More than 9.0 kHz/-6 dB

Less than 20 kHz/–60 dB More than 12 kHz/–6 dB

Less than 30 kHz/-60 dB

• Spurious and image: More than 70 dB

rejection ratio (except IF through in 50 MHz band)

• RIT variable range : ±9.999 kHz

• Audio output power: More than 2.0 W at 10 % distortion

(at 13.8 V DC) with an 8  $\Omega$  load

PHONES connector: 3-conductor 6.35 (d) mm (¹/4")
 EXT SP connector: 2-conductor 3.5 (d) mm (¹/8") 8 Ω

#### **■ ANTENNA TUNER**

• Matching impedance range:

HF bands 16.7 to 150  $\Omega$  unbalanced\*<sup>1</sup> 50 MHz band 20 to 125  $\Omega$  unbalanced\*<sup>2</sup> \* Less than VSWR 3:1; \* Less than VSWR 2.5:1

• Minimum operating input power:

HF bands 8 W 50 MHz band 15 W

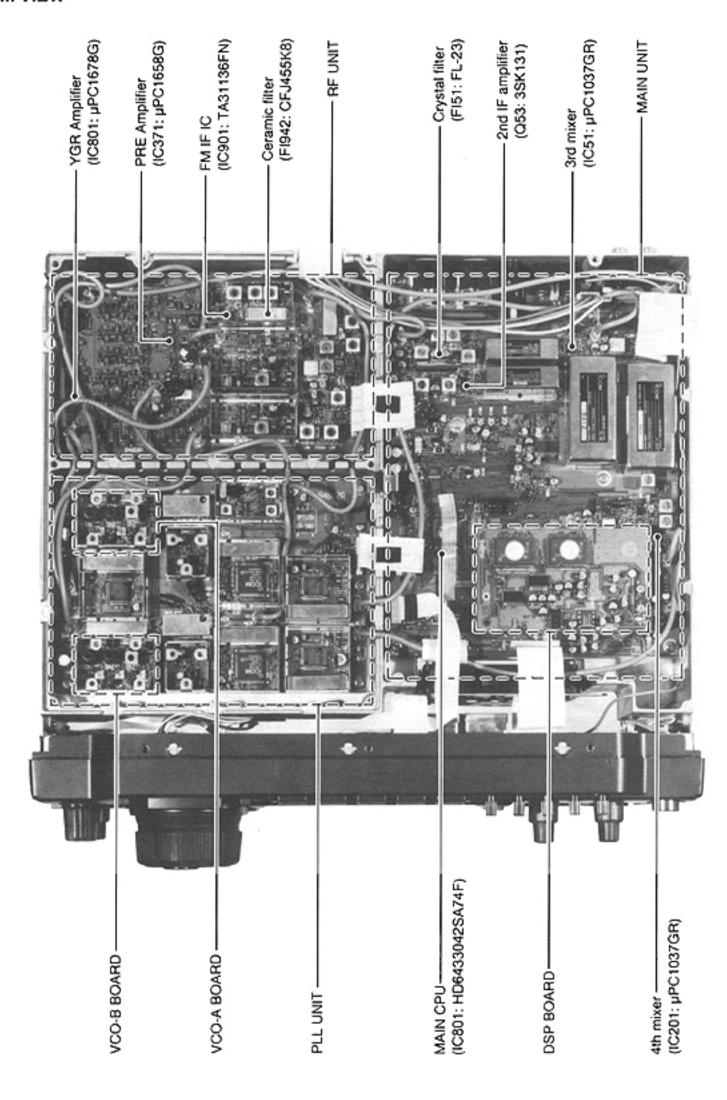
Tuning accuracy
Insertion loss
VSWR 1.5:1 or less
Less than 1.0 dB

(after tuning)

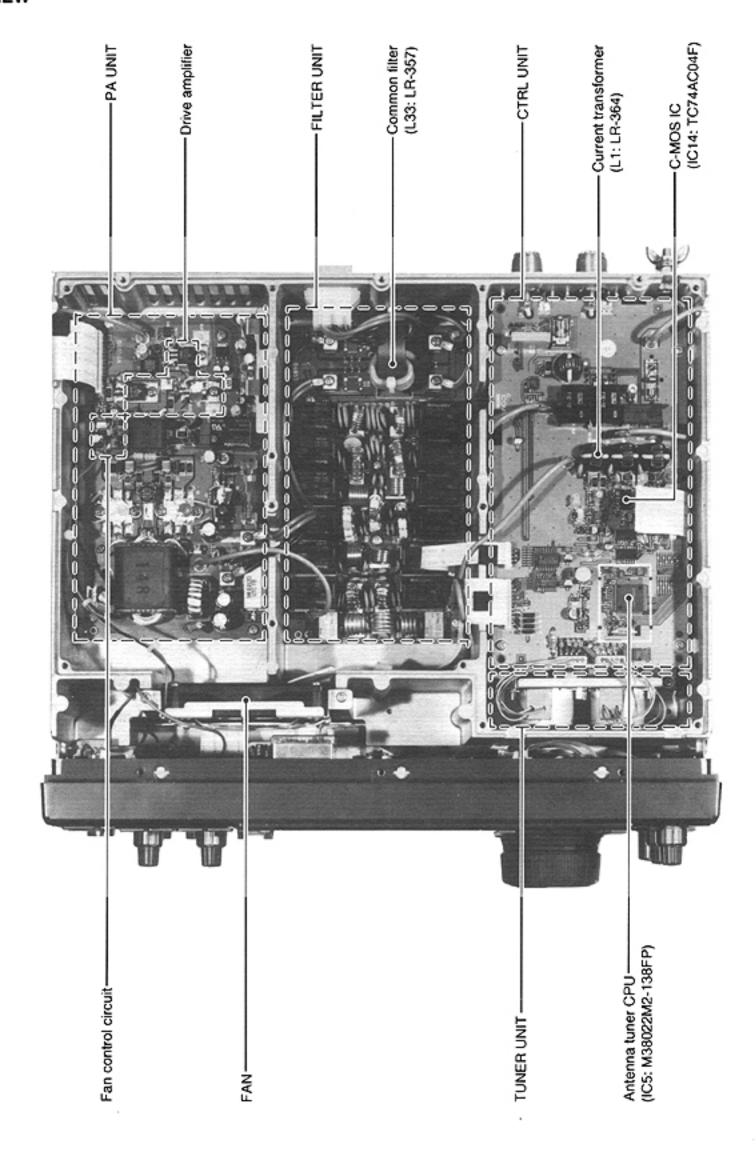
All stated specifications are subject to change without notice or obligation.

## SECTION 2 INSIDE VIEWS

### BOTTOM VIEW



### TOP VIEW

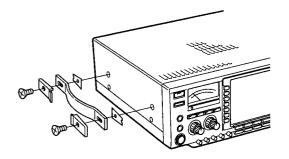


### SECTION 3 DISASSEMBLY AND OPTION INSTALLATIONS

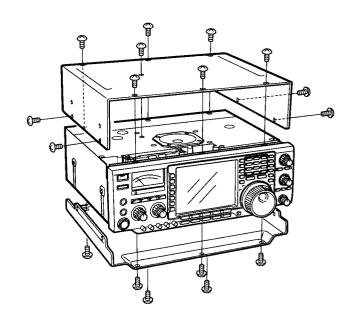
#### Opening the transceiver's case

Follow the case and cover opening procedures shown here when you want to install an optional unit or adjust the internal units, etc.

① Unscrew 2 screws from the left side of the transceiver to remove the carrying handle as shown below.

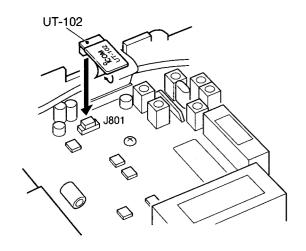


- **CAUTION:** DISCONNECT the DC power cable from the transceiver before performing any work on
- the transceiver. Otherwise, there is danger of
- lelectric shock and/or equipment damage.
- ② Unscrew 7 screws from the top of the transceiver and 4 screws from the sides, then lift up the top cover
- ③ Turn the transceiver upside down.
- 4 Unscrew 6 screws from the bottom of the transceiver, then lift up the bottom cover.



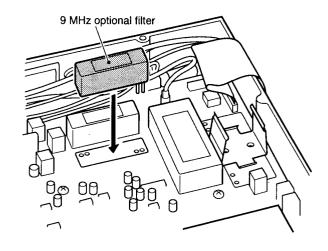
#### • UT-102 VOICE SYNTHESIZER UNIT

- ① Remove the top and bottom covers as shown above.
- ② Remove the protective paper attached to the bottom of the UT-102 to expose the adhesive strip.
- ③ Plug UT-102 into J801 (SPEECH UT-102) on the MAIN unit as shown in the diagram at right.
- 4 Return the top/bottom covers to their original positions.

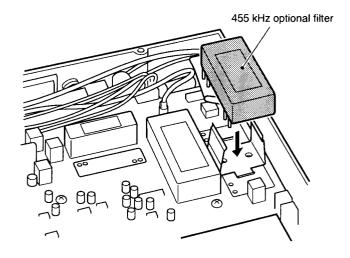


#### Optional IF filters

- 1 Remove the top and bottom covers as shown on the previous page.
- ② Turn the transceiver upside down. Install the desired filter as shown in the diagram at right.
  - The 9 MHz filters can be installed in either direction.
- ③ Replace the top/bottom covers.

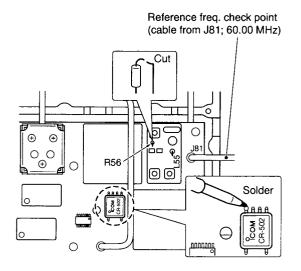


NOTE: After filter installation, specify the installed filter using set mode. (See instruction manual) Otherwise, the installed filter will not function properly.



#### • CR-502 HIGH STABILITY CRYSTAL UNIT

- 1 Remove the top and bottom covers as shown on the previous page.
- 2 Turn the transceiver upside down. Unscrew 6 screws from the PLL shielding plate, then remove the plate.
- 3 Cut the leads of R56 and L55 (in a shielded box) on the PLL unit.
- 4 Put the CR-502 in the space available as shown in the diagram, then solder its feet into place (6 points).
- (5) Adjust the reference frequency using a frequency counter.
- 4 Return the shield case, shield plate and top/bottom covers to their original positions.



#### **SECTION 4 CIRCUIT DESCRIPTION**

#### 4-1 RECEIVER CIRCUITS

#### 4-1-1 RF SWITCHING CIRCUIT (CTRL AND RF UNITS)

The RF switching circuit leads receive signals to bandpass filters from an antenna connector while receiving. However, the circuit leads the signal from the RF power amplifier to the antenna connector while transmitting.

RF signals from [ANT 1] or [ANT 2] pass through the antenna selector (RL3), transmit/receive switching relays (RL1, RL2, RL4), and low-pass filter (L27, L28, C63-C66, C105), and are then applied to the RF unit via J2.

The signals from the CTRL unit either bypass or are applied to the 6 dB (RF unit, RL751, R752) and/or 12 dB (RF unit, RL752, R754) attenuators via the antenna selector. By selecting the attenuators, 0 (bypass), 6, 12 and 18 dB attenuations are obtained. The signals are then applied to the RF filters.

When the [RX ANT] is selected, the RF signals are passed through the low-pass filter (RF unit, L781, L782, C783-C787), then applied to the antenna selector (RF unit, RL781).

#### 4-1-2 RF BANDPASS FILTER CIRCUIT (RF UNIT)

RF bandpass filters pass only the desired band signals and suppress any undesired band signals. The RF circuit has 11 bandpass filters and 1 low-pass filter.

#### (1) 0.03-1.6 MHz

The signals pass through the attenuator (R421, R423, R424), low-pass filter (L421-L423, C421-C425), and are then applied to the RF amplifiers (Q181, Q281).

#### (2) 1.6-60 MHz

The signals pass through the high-pass filter (L701-L703, C701-C704) to suppress excessively strong signals below 1.6 MHz. The filtered signals are applied to one of 11 bandpass filters as below, and then applied to or bypass the preamplifier circuit.

#### **Used RF filter**

Band	Control signal	Input diode	Band	Control signal	Input diode
0.03-1.6 MHz	B0	N/A	11–15 MHz	B7	D562 <sup>1</sup> / <sub>2</sub>
1.6-2 MHz	B1	D442 <sup>1</sup> / <sub>2</sub>	15–22 MHz	B8	D562 <sup>1</sup> / <sub>2</sub>
2-3 MHz	B2	D442 <sup>1</sup> / <sub>2</sub>	22-30 MHz	B9	D602 <sup>1</sup> / <sub>2</sub>
3-4 MHz	В3	D482 <sup>1</sup> /2	30-50 MHz	WB10	D642
46 MHz	B4	D482 <sup>1</sup> / <sub>2</sub>	50-54 MHz	B10	D602 <sup>1</sup> / <sub>2</sub>
6-8 MHz	B5	D522 <sup>1</sup> / <sub>2</sub>	54–60 MHz	WB10	D642
8–11 MHz	B6	D522 <sup>1</sup> / <sub>2</sub>			

#### 4-1-3 PRE-AMPLIFIER CIRCUITS (RF UNIT)

The IC-756 has 2 gain levels of pre-amplifier circuits. One has 10 dB gain over a wide band frequency range and the other one has 16 dB gain for the 21-28 MHz bands.

When the [PREAMP] switch is set to [PRE1] or [PRE2], the signals are applied to the pre-amplifier 1 (Q341, Q342) or pre-amplifier 2 (IC371) circuit, respectively. Pre-amplified or bypassed signals are applied to the RF amplifier circuits.

#### 4-1-4 RF AMPLIFIER AND 1st MIXER CIRCUITS (RF UNIT)

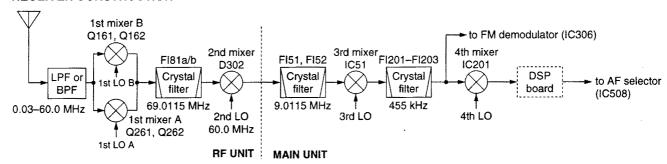
The 1st mixer circuit mixes the receive signals with the 1st LO signal to convert the receive signal frequencies to a 69 MHz 1st IF signal. The IC-756 has two 1st mixer circuits for the dualwatch function.

The signals from the pre-amplifier circuit, or signals which bypass the pre-amplifiers, are divided at L187. Each signal is applied to a 30 MHz cut-out low-pass filter, RF amplifier (Q181, Q281) and then to a 1st mixer (Q161/Q162 or Q261/Q262).

Each 1st LO signal •1st IF frequency (69.0415-129.0115 MHz) enters the RF unit from the PLL unit via J101 or J201. The LO signals are amplified at the LO amplifier (Q101 or Q201), filtered by a low-pass filter, and then applied to each 1st mixer.

requency
.0115 MHz
.0106 MHz
.0100 MHz
.0115 MHz

#### RECEIVER CONSTRUCTION



#### 4-1-5 1st IF CIRCUIT (RF UNIT)

The 1st IF circuit filters and amplifies the 1st IF signal. The 1st IF signal combined at L201 is applied to an MCF (Monolithic Crystal Filter; FI181a) to suppress out-of-band signals.

The converted 1st IF signal level is adjusted at PIN attenuators (D141, D143 or D241, D243) controlled by the [BAL] controller for the dualwatch function. The signal is applied to the 1st IF amplifier (Q141 or Q242) and then combined at L201.

The combined signal passes through the MCF (FI81a) and is amplified at Q81. The amplified signal is filtered at the other MCF (FI81b) and then applied to the 2nd mixer circuit.

#### 4-1-6 2nd MIXER CIRCUIT (RF UNIT)

The 2nd mixer circuit mixes the filtered 1st IF signal and 2nd LO signal (60.00 MHz) for conversion to the 2nd IF.

The 1st IF signal from the MCF (FI81b) is converted into a 9 MHz 2nd IF signal at the 2nd mixer circuit (D302).

The 2nd IF signal is applied • 2nd IF frequency to the MCF (MAIN unit, FI51) to suppress undesired signals such as the 2nd LO signal, and then applied to the noise blanker gate.

Mode	Frequency
SSB	9.0115 MHz
CW, RTTY	9.0106 MHz
AM	9.0100 MHz
FM	9.0115 MHz

#### 4-1-7 NOISE BLANKER CIRCUIT (MAIN UNIT)

The noise blanker circuit detects pulse-type noise, and turns OFF the signal line when the noise appears.

The 2nd IF signal from the MCF (FI51) is applied to the noise blanker gate (D54, D55). A portion of the signal from FI51 is amplified at the noise amplifiers (IC101, Q101, Q103), then detected at the noise detector (D101) to convert the noise components to DC voltages.

The signal is then applied to the noise blanker switch (Q105, Q106). At the moment the detected voltage exceeds Q105's threshold level, Q106 outputs a blanking signal to close the noise blanker gate (D54, D55). The T8V and PLL unlock signal are also applied to Q106, to control the noise blanker gate.

Some DC voltage from the noise detector circuit is fed back to the noise amplifier (IC101) via the DC amplifiers (Q102, Q104). The DC amplifiers function as an AGC circuit to reduce average noise. Therefore, the noise blanker function shuts off pulse-type noise only.

#### 4-1-8 2nd IF CIRCUIT (MAIN UNIT)

The 2nd IF circuit amplifies and filters the 2nd IF signal.

The 2nd IF signal from the noise blanker gate (D54, D55) is amplified at the IF amplifier (Q53) and applied to a 2nd IF filter which is selected in the filter selection mode.

#### 2nd IF filters

Mode	Used filter	Control signal
CW, RTTY, SSB, AM-N	Built-in ±2.4 kHz (FI52) or ±15.0 kHz (C84)	2S3K or 2STH
AM, FM, FM-N	Built-in ±15.0 kHz (C84)	2STH
CW-N, RTTY-N	Optional FL-100 (±500 Hz) Optional FL-101 (±250 Hz) Optional FL-232 (±350 Hz)	2SOP
SSB-N	Optional FL-223 (±1.9 kHz)	2SOP

The filtered signal is amplified at the buffer-amplifier (Q54), then applied to the 3rd mixer circuit.

#### 4-1-9 3rd MIXER AND 3rd IF CIRCUITS (MAIN UNIT)

The 3rd mixer circuit mixes the 2nd IF signal and the 3rd LO signal to obtain the 3rd IF (455 kHz) signal.

The 2nd IF signal from the buffer-amplifier (Q54) is applied to the 3rd mixer circuit (IC51, pin 6). The 3rd LO signal from the PLL unit is applied to the 3rd mixer (IC51, pin 8). The mixed signal is output from pin 3, then applied to one of the 3rd IF filters.

#### • 3rd IF filters

Mode	Used filter	Control signal
CW, RTTY, SSB, AM-N	Built-in ±2.8 kHz (Fl201), or ±9.0 kHz (Fl202) or ±15.0 kHz (Fl203)	3S3K, 3S9K or 3S15
АМ	Built-in ±9.0 kHz (Fl202), or ±15.0 kHz (Fl203)	3S9K or 3S15
FM	Built-in ±15.0 kHz (FI203)	3S15
FM-N	Built-in ±9.0 kHz (FI202)	3S9K
CW-N, RTTY-N, SSB-N	Optional FL-52A (±500 Hz) Optional FL-53A (±250 Hz) Optional FL-222 (±1.8 kHz)	3SOP
SSB-W ("SSB-N" on the display)	Optional FL-257 (±3.3 kHz)	3SOP

The filtered signal is amplified at the IF amplifier (Q203), then applied to the AM demodulator, the 4th mixer circuit or the FM demodulator circuit after being amplified at the other IF amplifier (Q205; except FM, Q307; FM).

#### 4-1-10 4th MIXER CIRCUIT (MAIN UNIT)

The 4th mixer circuit mixes the 3rd IF signal and the 4th LO signal to obtain the 4th IF (15.625 kHz) signal while SSB or CW mode is selected.

The 3rd IF signal from the IF amplifier (Q205) is applied to the 4th mixer circuit (IC201, pin 6), except in FM and AM modes, and is mixed with the 4th LO signal to be converted into a 4th IF signal. The 4th IF signal is applied to the DSP board.

#### 4-1-11 DSP RECEIVER CIRCUIT (DSP BOARD)

The DSP (Digital Signal Processor) board enables digital noise reduction, digital PSN (Phase Shift Network) demodulation, digital automatic notch and digital APF (Audio Peak Filter).

The 4th IF signal from the 4th mixer circuit (MAIN unit, IC201) is amplified at IC414a then passed through the analog switch (IC423, pins 5, 3). The switched signal is level shifted at IC419b after being passed though the low-pass filter (IC419d, IC419a), then applied to the A/D convertor (IC408).

The converted signal is applied to the DSP ICs (IC425, IC429) for demodulation, automatic notch, audio peak filter and noise reduction, etc. The output signal is applied to the D/A convertor (IC409, IC419c) and converted into analog audio signals.

The converted audio signals are passed through the low-pass filter (IC411), analog switch (IC423, pins 13, 14) then applied to the MAIN unit after passed through the low-pass filter (IC414d) via J401, pin 15.

#### 4-1-12 TWIN PBT CIRCUIT (RF AND MAIN UNITS)

The PBT (PassBand Tuning) circuit shifts the center frequency of IF signal to electronically narrow the passband width. The IC-756 has 2 PBT circuits.

The twin PBT circuit shifts the 2nd and 3rd IF within ±1.5 kHz. As a result, the 2nd and 3rd IF are shifted from the center frequencies of the 2nd and 3rd IF filters. This means 2nd or 3rd IF signals do not pass through the center of the 2nd or 3rd IF filter. Therefore, the overlap of the 2nd/3rd or 3rd/4th IF filter appears to be narrowed. Since the 3rd and 4th LO frequencies are also shifted the same value as the 2nd and 3rd IF shifts, frequencies are corrected at the detector.

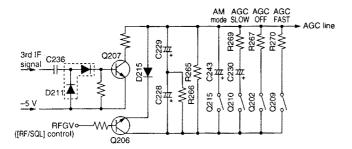
In the IC-756, the 1st LO frequency is shifted to change the 2nd IF because a fixed 2nd LO frequency (60.00 MHz) is used. The 1st IF filter (RF unit, FI81) has a 15 kHz passband width and does not affect PBT operation.

#### 4-1-13 AGC CIRCUIT (MAIN UNIT)

The AGC (Automatic Gain Control) circuit reduces IF amplifier gain to keep the audio output at a constant level.

The receiver gain is determined by the voltage on the AGC line (Q207, collector). Q207 supplies minus voltage to the AGC line and sets the receiver gain with the [RF/SQL] control.

#### AGC CIRCUIT



The 3rd IF signal from the buffer-amplifier (Q208) is detected at the AGC detector (D211) and is then applied to the AGC amplifier (Q207). –5 V is applied to the AGC amplifier's emitter to activate the AGC line using minus voltage.

When receiving strong signals, the detected voltage increases and the AGC voltage decreases via the AGC amplifier (Q207). As the AGC voltage is used for the bias voltage of the IF amplifiers (Q53, Q203, Q205 and RF unit Q81), IF amplifier gain is decreased.

When the strong signals disappear, the AGC line voltage is released by C228, C229, R265 and R266 while in SSB, CW or RTTY mode. While in AM or FM mode, C243 or R267 is connected in parallel to obtain appropriate AGC characteristics, respectively.

#### 4-1-14 S-METER CIRCUIT (MAIN UNIT)

The S-meter circuit indicates the relative received signal strength while receiving by utilizing the AGC voltage which changes depending on the received signal strength.

A portion of the AGC bias voltage (time constant line) is applied to the differential amplifier (IC202a, pin 2) where the difference between the AGC and reference voltage is detected.

The detected voltage is applied to the main CPU (IC801, pin 78) as the SML signal to activate the S/RF meter via the sub CPU (SUB-LOGIC unit, IC3).

#### 4-1-15 SQUELCH CIRCUIT (MAIN UNIT)

The squelch circuit mutes audio output when the S-meter signal is lower than the [RF/SQL] setting level.

The S-meter signal is applied to the main CPU (IC801, pin 78) and is compared with the threshold level set by the [RF/SQL] control. The [RF/SQL] setting signal is applied to the main CPU via the A/D converter (SUB-LOGIC unit, IC501) and sub CPU (SUB-LOGIC unit, IC3). The compared signal is applied to the analog switch (IC507, pin 9) to open or close the squelch.

In addition, the noise squelch signal from the FM IF IC (FMNL) is applied to the main CPU (IC801, pin 82) in FM mode. A portion of the AF signals from the FM IF IC (IC306, pin 9) are applied to the active filter section (pin 8) where noise components are amplified. The signals are rectified at the noise detector section and then output from pin 14. The resulting signal is applied to the main CPU via the FMNL signal line.

#### 4-1-16 AM DEMODULATOR CIRCUIT (MAIN UNIT)

While in AM mode, the 3rd IF signal from the IF amplifier (Q205) is applied to the AM demodulator (D401) via the buffer amplifier (Q208). The detected audio signals are then applied to the AF selector (IC507, pin 12) via IC514 (pins 6, 1).

#### 4-1-17 FM DEMODULATOR CIRCUIT (MAIN UNIT)

While in FM mode, the 3rd IF signal from the IF amplifier (Q203) is applied to the FM IF IC (IC306, pin 5) via the IF amplifier (Q307) where the IF signal is converted into AF signals. The discriminator (X301) is connected to the quadrature detector section (pin 10) for AF detection. The detected AF signals are output from pin 9 and applied to the AF selector (IC507, pin 14) via the de-emphasis circuit (IC202b).

#### 4-1-18 AF SELECTOR SWITCH (MAIN UNIT)

The AF signals from one of the detector or DSP circuits are applied to the AF selector switch(es) (IC507 only/and IC514). The AF signals from the DSP circuit are applied to pin 7 of IC514; those from the AM demodulator are applied to pin 6. The selected audio signals are output from pin 1 and applied to pin 12 of the AF selector (IC507).

The AF signals from the FM demodulator are applied to pin 14 of IC507. The squelch control signal is also applied to pin 9 of IC507 for the squelch mute control. The selected AF signals are output from pin 13 then amplified at the AF amplifier circuit (IC506, pin 2).

#### 4-1-19 AF AMPLIFIER CIRCUIT (MAIN UNIT)

The AF amplifier amplifies the audio signals to a suitable driving level for the speaker.

The AF signals from the AF selector are amplified at the IC506 amplifier section (pins 2–4) and volume is controlled by the AFGV signal at the VCA section (pins 7–9). The volume controlled AF signals are passed through the low-pass filter (IC701a/b) then applied to the AF power amplifier (IC504) via the AF mute switch (Q501).

The amplified audio signals are passed through the [PHONES] and [EXT SP] jacks then applied to the internal speaker when no plug is connected to the jacks.

The AF mute switch is controlled by the [AF] control via the sub and main CPUs.

# 4-2 TRANSMITTER CIRCUITS 4-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN UNIT)

The microphone amplifier circuit amplifies microphone audio signals to a level needed for the DSP (PSN), FM and AM modulation circuits.

Audio signals from the [MIC] connector (pin 1) are amplified at the audio amplifier section in IC502 (pins 2–4), then applied to the VCA section (pin 7) via the analog switch (IC513, pins 7, 1). The gain controlled signals are applied to the DSP circuit after the tone level is adjusted at the tone control circuit (IC515), or applied to the FM IDC circuit (IC301b) after being pre-emphasized at IC301a.

The VCA section in IC502 (pins 7–9) controls microphone gain from the [MIC GAIN] control using the MIGV signal from the main CPU via the D/A converter (LOGIC board, IC809).

#### AF amplifier circuit

#### 4-2-2 VOX CIRCUIT (MAIN UNIT)

The VOX (Voice-Operated-Transmission) circuit sets transmitting conditions according to voice input.

A portion of the amplified audio signals from the AF amplifier section in IC502 (pin 4) are again amplified at the AF amplifier section in IC510 (pins 2–4), gain controlled at the VCA section (pins 7, 9) then applied to the main CPU (IC801, pin 54) after passing through the level comparator circuit (IC503a, pins 1–3) as the VOXS signal.

The VOXV signal is applied to the VCA section in IC510 (pin 8) from the main CPU via the I/O expander (IC809, pin 4) to adjust VOX actionable sensitivity. This is controlled by the VOX gain set in the VOX SET mode.

#### 4-2-3 DSP TRANSMITTER CIRCUIT (DSP BOARD)

The microphone audio signals from the tone controller (MAIN unit, IC515) are applied to the buffer-amplifier (IC414b) via J401, pin 9. The amplified audio signals are applied to the low-pass filter (IC412) to limit the transmit passband width. The filtered signals are then applied to the analog switch (IC423, pins 1, 3), then passed through the low-pass filter (IC419d, IC419a). The filtered signals are applied to the DSP ICs (IC425, IC429) via the A/D convertor (IC408) after the level is shifted at IC419b.

By combining IC414b and IC415, the modulation level for SSB and AM modulation is adjusted.

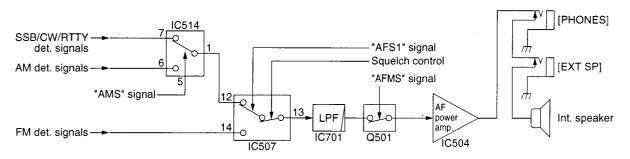
A portion of the filtered signal from the low-pass filter (IC412) is passed through the analog switch (IC415, pins 1, 2, 15) then applied to the MAIN unit via J401, pin 5 for the monitor function.

The PSN modulated signals are applied to the D/A convertor (IC409, IC419c) then passed through the low-pass filter (IC411) to produce the transmit IF signal. The IF signal is applied to the 4th mixer circuit (MAIN unit, IC201) via J401, pin 13.

#### 4-2-4 FM MODULATOR CIRCUIT (MAIN UNIT)

The microphone audio signals from the VCA section in IC502 are applied to the IDC circuit (IC301b) after passing through the pre-emphasis circuit (IC301a). The subaudible tone signal (67.0–254.1 Hz) generated by the 4th LO circuit (PLL unit, IC751) is also applied to the IDC circuit via the low-pass filter (C305) when the [TONE] is ON.

The IDC circuit limits the audio passband width and the signals are output from pin 7. The signals are applied to the



deviation control circuit (Q301) to select a maximum deviation level (wide or narrow) and applied to the FM oscillator circuit (Q303).

The audio signals from the deviation control circuit change the reactance of D303 to obtain FM modulation. The modulated signal is applied to the 3rd mixer circuit (IC51) via the buffer-amplifier (Q302) and LO switch (D63).

### 4-2-5 SPEECH COMPRESSOR CIRCUIT (MAIN UNIT)

The speech compressor compresses the microphone audio signals to increase the average talk power.

When the [COMP] switch is ON, the audio signals from the AF amplifier section in IC502 (pin 4) are applied to the VCA circuit (IC512). The output signals from pin 9 are applied to the compressor amplifier (IC511) to obtain an average audio level.

The amplified signals are applied to the VCA section in IC502 (pin 7) via the analog switch (IC513, pins 6, 1).

### 4-2-6 IF AMPLIFIER AND MIXER CIRCUITS (MAIN AND RF UNITS)

The modulated 4th IF signals from the DSP circuit (DTIF: 15.625 kHz) are applied to the 4th mixer circuit (MAIN unit, IC201) to be converted into 455 kHz 3rd IF signals after passing through the T/R switch (MAIN unit, D212). The mixed signal is output from pin 3 and amplified at the IF amplifier (MAIN unit, Q201) after unwanted signals are suppressed at the ceramic bandpass filter (MAIN unit, FI204). The amplified 3rd IF signal is applied to the 3rd mixer circuit (MAIN unit, IC51).

The applied 3rd IF signal is mixed with the 3rd LO signal applied from the DDS circuit (PLL unit, IC701) via the LO switch (MAIN unit, D62) to produce a 9 MHz 2nd IF signal. The 2nd IF signal is applied to the IF amplifier (MAIN unit, Q52) after out-of-band signals are suppressed at the bandpass filter (MAIN unit, FI51). The amplified signal is applied to the 2nd mixer circuit in the RF unit via J53.

The 2nd IF signal is mixed with the 60 MHz 2nd LO signal, coming from the PLL unit, at the 2nd mixer circuit (D302) to obtain a 69 MHz 1st IF signal. The 1st IF signal is passed through the MCF (FI81b) to cut-off the undesired signals then amplified at the IF amplifier (Q301) via the T/R switch (D301). The amplified 1st IF signal is applied to the balanced mixer circuit (RF unit, Q381, Q382).

The operating (transmitting) frequency is produced at the balanced mixer circuit (Q381, Q382) by mixing the 1st IF and 1st LO signals. The mixed signal is then applied to the RF circuit.

#### 4-2-7 RF CIRCUIT (RF AND PA UNITS)

The RF circuit amplifies operating (transmitting) frequency to obtain 100 W of RF output.

The signal from the balanced mixer circuit is amplified at the wide-band YGR amplifier (RF unit, IC801) after passing through one of 11 bandpass (Refer to page 4-1 for bandpass filters used) and high-pass filters, and is then applied to the PA unit via J821.

The signal applied from the RF unit is amplified at the predrive (Q1), drive (Q2, Q3) and power amplifiers (Q4, Q5) in sequence to obtain a stable 100 W of RF output power. The amplified signal is applied to one of 7 low-pass filters in the FILTER unit.

#### 4-2-8 LOW-PASS FILTER CIRCUIT (FILTER UNIT)

The low-pass filter circuit contains 7 Chebyschev low-pass filters to suppress the higher harmonic components.

The signal from the power amplifiers in the PA unit is applied to one of the low-pass filters, which is selected by the I/O expander (IC11) in the CTRL unit via the buffer-amplifier (CTRL unit, IC12).

The filtered signal is then applied to one of 2 antenna connectors via the CTRL only/and TUNER unit/s.

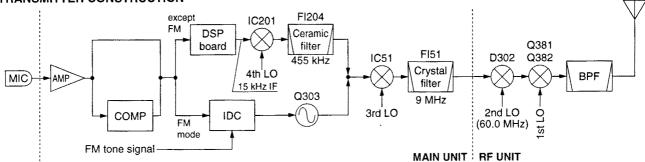
#### 4-2-9 ALC CIRCUIT (MAIN UNIT)

The ALC (Automatic Level Control) circuit controls the gain of IF amplifiers in order for the transceiver to output a constant RF power set by the [RF POWER] control even when the supplied voltage shifts, etc.

The RF power level is detected at one of the APC detector circuits (CTRL unit, D1) to be converted into DC voltage and applied to the MAIN unit as the FOR signal.

The FOR signal from the CTRL unit is applied to the comparator (IC602a, pin 2). The POCV signal, controlled by the [RF POWER] control via the I/O expander (IC809, pin 8), is also applied to the other input (pin 3) for reference. The compared signal is output from pin 1 and applied to the IF amplifiers in the MAIN (Q52) and RF (Q301) units to control amplifying gain.

#### • TRANSMITTER CONSTRUCTION



When the FOR signal exceeds the POCV voltage, ALC bias voltage from the comparator controls the IF amplifiers. This adjusts the output power to a specified level from the [RF POWER] control until the FOR and POCV voltages are equalized.

In AM mode, the comparator operates as an averaging ALC amplifier. Q603 turns ON and the POCV voltage is shifted for 40 W AM output power (maximum) through R617.

The ALC bias voltage is also applied to the ALC meter amplifier (IC602c, pin 9) to obtain an ALC meter signal (ALCL). The amplified signal is applied to the main CPU (IC801, pin 79) to drive the S/RF meter via the sub CPU on the FRONT unit.

An external ALC input from the [ALC] jack or [ACC] sockets is applied to the buffer amplifier (Q605). External ALC operation is identical to that of the internal ALC.

The FOR signal is also applied to the power meter amplifier (IC601b, pin 5). The amplified signal is applied to the main CPU (IC801) as an FORL signal to drive the S/RF meter when the power meter is selected.

#### 4-2-10 APC CIRCUIT (MAIN UNIT)

The APC (Automatic Power Control) circuit protects the power amplifiers on the PA unit from high SWR and excessive current.

The reflected wave signal appears and increases when the connected antenna is mismatched to 50  $\Omega$ . The APC detector circuit (CTRL unit, D2, L1) detects the reflected signal, and applies it to the APC circuit (IC602d, pin 13) as a REF signal.

When the REF signal level increases, the APC circuit decreases the ALC voltage to activate the APC.

For the current APC, the power transistor current is obtained by detecting the voltages (ICH and ICL) which appear at both terminals of the current detector (PA unit, R28). The detected voltages are applied to the differential amplifier (IC602b, pins 5, 6). When the current of transistors is increased, the amplifier controls the ALC line to prevent excessive current flow.

A portion of the REF signal is applied to the SWR meter amplifier (IC601a, pin 3). The amplified signal is applied to the main CPU (IC801) as an REFL signal to drive the S/RF meter when the SWR meter is selected.

### 4-2-11 TEMPERATURE PROTECTION CIRCUIT (PA UNIT)

The cooling fan (MF1) is activated while transmitting or when the temperature of the power amplifier exceeds the preset value. The temperature protection circuit consists of Q10–Q13 and R50.

While transmitting, Q10 and Q12 are turned ON, and provide a voltage to the cooling fan to rotate at medium speed. The thermistor detects the temperature of Q5, and activates Q11 and Q13 to accelerate the cooling fan when the detected temperature exceeds 60°C (140°F). The cooling fan rotates at high speed at 80°C (176°F) or more.

The thermistor keeps the cooling fan rotating even while receiving until the Q5 temperature drops to 60°C (140°F) or below.

#### 4-2-12 MONITOR CIRCUIT (MAIN UNIT)

The microphone audio signals can be monitored to check voice characteristics.

A portion of the microphone audio signals from the amplifier (DSP board, IC414b) via the low-pass filter (IC503d) or the VCA section in IC502 are applied to the analog switch (IC508). The selected audio signals are applied to IC509 (pin 2), and the output signals from pin 9 are applied to the AF amplifier circuit (IC506, pin 7).

### 4-3 PLL CIRCUITS 4-3-1 GENERAL

The PLL unit generates a pair of 1st LO frequencies (69.04–129.0115 MHz) for dualwatch and spectrum scope functions; a 2nd LO frequency (60 MHz), 3rd LO frequency (9.465 MHz), 4th LO frequency (439.375 kHz) and sweep LO frequency for the spectrum scope function, CW side (300–900 Hz) and FM subaudible (67.0–254.1 Hz) tones.

The 1st LO PLLs adopt a mixer-less dual loop PLL system and has 3 VCO circuits. The LOs, except the 2nd, use DDSs while the 2nd LO uses the fixed frequency of the crystal oscillator.

#### 4-3-2 1st LO PLL CIRCUIT

The 1st LO PLLs contain a main and reference loop as a dual loop system. Both PLLs have equivalent circuits— this manual describes only the 1st LO PLL A circuit.

The reference loop generates a 10.506 to 10.543 MHz frequency using a DDS circuit, and the main loop generates a 69.04 to 129.0115 MHz frequency using the reference loop frequency.

#### (1) REFERENCE LOOP PLL

The oscillated signal at the reference VCO (Q151, D151) is amplified at the amplifiers (Q152, Q102) and is then applied to the DDS IC (IC101, pin 46). The signal is then divided and detected on phase with the DDS generated frequency.

The detected signal output from the DDS IC (pin 56) is converted into DC voltage (lock voltage) at the loop filter (R135–R137, C121) and then fed back to the reference VCO circuit (Q151, D151).

#### (2) MAIN LOOP PLL

The oscillated signal at one of the main loop VCOs (VCO-A board, Q201, D201, Q221, D221, Q251, D257) is amplified at the buffer amplifier (VCO-A board, Q301) and is then applied to the PLL IC (IC381, pin 4). The signal is then divided and detected on phase with the reference loop output frequency.

The detected signal output from the PLL IC (pin 13) is converted into a DC voltage (lock voltage) at the loop filter and then fed back to one of the VCO circuits (VCO-A board, Q201, D201, Q221, D221, Q251, D251).

The oscillated signal is amplified at the buffer amplifier (Q301) and then applied to the RF unit as a 1st LO A signal after being passed through the bandpass filter (L352, C351-C353).

### 4-3-3 2nd LO AND REFERENCE OSCILLATOR CIRCUITS

The reference oscillator (X51, Q51) generates a 30.0 MHz frequency for the 5 DDS circuits as a system clock and for the LO output. The oscillated signal is doubled by 2 at the doubler circuit (Q71, Q81) and the 60.0 MHz frequency is picked up at the double tuned filter (L81, L82). The 60.0 MHz signal is applied to the RF unit as a 2nd LO signal.

#### 4-3-4 3rd and 4th LO CIRCUITS

The DDS ICs (IC701 for 3rd, IC751 for 4th) generate a 10-bit digital signal using the 30 MHz system clock. The digital signal is converted into an analog wave signal at the D/A converter (R701–R720 for 3rd, R751–R770 for 4th). The converted analog wave is passed through the bandpass filter (L702, L703, C709–C713 for 3rd, L752, L753,

C759-C763 for 4th) and then applied to the MAIN unit as the 3rd or 4th LO signal.

The 4th LO circuit generates not only the 4th LO signal but also the subaudible tone and CW side tone signals.

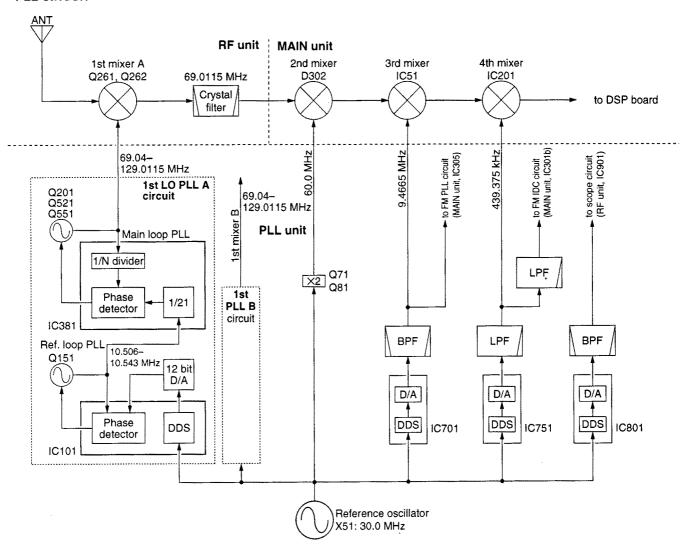
#### 4-3-5 MARKER CIRCUIT

The divided signal at the DDS circuit (IC101) is used for the marker signals with the IC-756.

The reference signal for the DDS circuit (30.0 MHz) is divided by 2 to produce an acceptable frequency signal, 15 MHz, with the programmable divider then divided again by 150 to obtain 100 kHz cycle square-wave signals.

The generated marker signals are output from pin 68 of the DDS IC (IC101) and then applied to the RF unit via the mute switch (IC192) and J851 as the MKR signal.

#### • PLL CIRCUIT



#### 4-4 ANTENNA TUNER CIRCUITS

#### 4-4-1 MATCHING CIRCUIT (TUNER UNIT)

The matching circuit is a T-network. Using 2 tuning motors, the matching circuit obtains rapid overall tuning speed.

Using relays (RL1–RL15), the relay control signals from the antenna tuner CPU (CTRL unit, IC5) via the buffer-amplifier (IC1, IC2) ground one of the taps of L3–L12 and add capacitors (C27–C43). After selecting the coils and capacitors, 2 motors (CTRL unit, M1, M2) adjust C44 and C45 using the antenna tuner CPU (CTRL unit, IC5) and the motor driver (CTRL unit, IC7) to obtain a low SWR (Standing Wave Ratio).

#### 4-4-2 DETECTOR CIRCUIT (CTRL UNIT)

#### (1) SWR detector

Forward and reflected power are picked up by a current transformer (L1), detected by D2 and D1, and then amplified at IC1a and IC1b, respectively. The amplified voltages are applied to the antenna tuner CPU (IC5, pins 2, 3). The CPU detects the SWR.

#### (2) Reactance components detector

Reactance components are picked up by comparing the phases of the RF current and RF voltage. The RF current is detected by L4 and R16, buffer-amplified at IC14e and IC2a and then applied to the phase comparator (IC3a). RF voltages are detected by C12–C14 and then applied to the phase comparator (IC3b) after being amplified at the buffer-amplifiers (IC14c, IC2b). The output signal from the phase comparator (IC3a, pin 6 for RF current, IC3b pin 7 for RF voltage) is rectified at D7 and D6 for conversion into DC voltage. The rectified voltage signals are combined, then amplified at the inverter amplifier (IC4b), then applied to the antenna tuner CPU (IC5, pin 64).

A C-MOS IC is used for the buffer-amplifier (IC14) to improve functionable sensitivity; the inverter amplifier (IC4) is very responsive even with a low signal level input. Together, these ensure quick and stable signal detection even at low RF signal level input.

#### (3) Resistance components detector

Resistance components are picked up by L8, and detected by D8, D9 and Q5. The detected resistance components are amplified at the inverter amplifier (IC4a), and then applied to the antenna tuner CPU (IC5, pin 1).

#### 4-4-3 MOTOR CONTROL CIRCUIT

The control circuit of the internal antenna tuner consists of the CPU, EEPROM\*, tuning motors and tuning relays.
\*Electronically-Erasable Programmable Read Only Memory

#### (1) CPU and EEPROM (CTRL unit)

The antenna tuner CPU (IC5) controls the tuning motors via the motor driver (IC7) and tuning relays, and memorizes the best preset position in 100 kHz steps. The memory contents are stored in the EEPROM (IC6) without a backup battery.

#### (2) Tuning motors (CTRL unit)

A motor driver (IC7) rotates the tuning motors (M1, M2) to obtain a low SWR.

#### (3) Tuning relays (TUNER unit)

According to the operating frequency band and antenna condition, tuning relays select the capacitors and coils.

### 4-4-4 ANTENNA TUNER CPU PORT ALLOCATION (IC5)

(11	C5)	
Pin Number	Port name	Description
1	R	Input port for the resistance components detection voltage.
2	RÉF	Input port for the reflected RF power voltage.
3	FOR	Input port for the forward RF power voltage.
4	PWRS	Input port for the transceiver power OFF.
6	STDU	Inputs low level signal when operating the antenna tuner in 50 MHz band.
7	SETI	Input port for reference voltage setting.
13	KEY	Outputs tuner data signal.
15	START	Input port for the serial signal.
17	THRU	Input port for the [TUNER] ON/OFF signal.
21	SEND	Input port for the TX/RX switching signal.
22, 23	CL1, CL2	Input ports for the antenna tuner CPU system clock.
26	DUAL	Outputs the coil selection signal. High: While 46–60 MHz band is displayed.
27–32	L24M, L18M, L14M, L10M, L7M, L3.5M	Output the coil selection signal.
34–40	CO3, CO2, CO1, Cl3, Cl2, Cl1	Output the capacitor selection signal.
41–48	PZ, PY, PX, PW, RZ, RY, RX, RW	Output pulse-type control signals for the tuning motors (M1, M2).
64	Р	Input port for the reactance components detection voltage.

#### 4-5 SCOPE CIRCUITS

#### 4-5-1 SCOPE RECEIVER CIRCUIT (RF UNIT)

A portion of the 69 MHz 1st IF signal from the 1st mixer circuit (Q261, Q262: while receiving) or IF amplifier (Q301: while transmitting) is amplified at the IF amplifier (Q942), then passed through the bandpass filter (L941, L942) to suppress unwanted signals. The filtered signal is mixed with the 60 MHz 2nd LO signal at the mixer circuit (IC941, pin 6) to produce the 9 MHz IF signal after being amplified at the IF amplifier (Q943). The mixed IF signals are applied to the FM IF IC (IC901, pin 16).

The applied 9 MHz IF signal is mixed with the sweep LO signals from the PLL unit at the FM IF IC (IC901), which includes the RSSI terminal. The mixed IF signals are filtered at the ceramic bandpass filter (FI942) then applied to the limiter amplifier section in the FM IF IC (IC901, pin 5). The applied IF signals are converted into DC voltages according to the applied IF signal strength at the RSSI section in the IC.

The converted voltages are amplified at IC961a then applied to the MAIN unit as the SCPL signal.

Some of the DC voltages from the FM IF IC are amplified at IC961b to produce AGC voltages for the IF amplifiers (Q941, Q942), producing wider dynamic range.

By sweeping LO signals (SLO) applied to the mixer section in the FM IF IC, the spectrum scope function is activated.

#### 4-5-2 SWEEP LO CIRCUIT (PLL UNIT)

The sweep LO signals (SLO) are generated by the DDS IC (IC801) using the 30 MHz system clock. A 10-bit digital signal is converted into analog wave signals at the D/A converter (R801–R820). The converted analog wave is passed through the bandpass filter (L802, L803, C809–C813) then applied to the RF unit after being amplified at the LO amplifier.

#### 4-6 POWER SUPPLY CIRCUITS

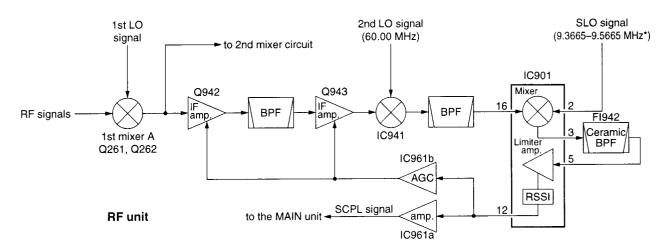
#### 4-6-1 PA UNIT

Line	Description
PHV	The voltage from an external power supply via the common filter circuit (FILTER unit, L33).
HV	The same voltage as the PHV line passed through a fuse (F1).
14 V	The same voltage as the HV line passed through the switching relay (RL1).
14 VA	The same voltage as the 14 V line is applied to the AF power amplifier (MAIN unit, IC504).
8 V	Common 8 V converted from the 14 V line and regulated by the +8 regulator circuit (IC3).
5 V	Common 5 V converted from the 14 V line and regulated by the +5 regulator circuit (IC2).
H5V	Common 5 V converted from the 14 V line and regulated by the H5V regulator circuit (IC1).

#### 4-6-2 SUB-LOGIC UNIT

Line	Description
5 V	Common 5 V converted from the 14 V line and regulated by the +5 regulator circuit (IC701).
–5 V	Common –5 V converted from the 14 V line and converted by the –5 DC-DC converter circuit (IC601, D601). The voltage is applied to the AGC (MAIN unit, IC202a), ALC (MAIN unit, IC602a) and AF selectors (MAIN unit, IC507, IC508), etc.
-30 V	Common –30 V converted from the 14 V line and converted by the –30 V DC-DC converter circuit (IC201, D201). The voltage is applied to the multifunction LCD.

#### SCOPE CIRCUIT DIAGRAM



\*depending on sweeping passband width

#### **4-6-3 MAIN UNIT**

Line	Description
5 V	Common 5 V converted from the 14 V line and regulated by the +5 regulator circuit (IC701).
-5 V	Common -5 V converted from the 14 V line and converted by the -5 DC-DC converter circuit (IC601, D601). The voltage is applied to the AGC (MAIN unit, IC202a), ALC (MAIN unit, IC602a) and AF selectors (MAIN unit, IC507, IC508), etc.
-30 V	Common -30 V converted from the 14 V line and converted by the -30 V DC-DC converter circuit (IC201, D201). The voltage is applied to the multifunction LCD.

#### 4-6-4 CTRL AND PLL UNITS

Line	Description
5 V	Common 5 V for the antenna tuner CPU (CTRL unit, IC5) and the EEPROM (CTRL unit, IC6), converted from the 14 V line and regulated by the +5 regulator circuit (CTRL unit, IC13).
5 V	Common 5 V for each of the PLL-A and PLL-B circuits regulated from the 8 V line and regulated by the +5 regulator circuit (PLL unit, IC382; PLL-A, IC682; PLL-B)

# 4-7 LOGIC CIRCUITS 4-7-1 BAND SELECTION DATA (RF, CTRL AND PLL UNITS)

To select the correct bandpass, low-pass filters and VCOs on the RF, MAIN, FILTER and PLL units, the main CPU (MAIN unit, IC801) outputs the following band selection data via the I/O expander (RF unit, IC1, IC21, CTRL unit, IC11), A/D convertor (MAIN unit, IC810) or DDS IC (PLL unit, IC101, IC401) depending on the displayed frequency.

Frequency	IC1, IC21 (RF unit)	IC11 (CTRL)	IC101 (PLL)	IC401 (PLL)
(MHz)	BPF	LPF	VCO-A	VCO-B
0.03-1.599999	B0	L1		
1.6-1.999999	B1	L!		
2.0-2.999999	B2			
3.0-3.999999	B3	L2	VCO-A1	VCO-B1
4.0-5.999999	B4			
6.0-7.999999	B5	L3		:
8.0-10.999999	B6	L4		
11.0-14.999999	B7	L4		
15.0–21.999999	B8	L5	VCO-A2	VCO-B2
22.0–29.999999	B9	L6	VCO-A2	VCO-02
30.0-49.999999	B10W			
50.0-54.000000	B10	L7	VCO-A3	VCO-B3
54.000001-60.0	B10W			

The D/A convertor (MAIN unit, IC809) output signal from pin 9 is amplified at IC813c (pins 8–10) to obtain the band voltage for external equipment via the [ACC 2] connector pin 4.

### 4-7-2 MAIN CPU PORT ALLOCATIONS (MAIN UNIT, IC801)

(14	IAIN UNI	1, 10001)
Pin number	Port name	Description
2	тск	Outputs clock signal for the tone control circuit (IC515).
3	TDAT	Data bus line for the tone control circuit (IC515).
4	CON0	Outputs clock signal for the DDS circuits (PLL unit, IC101, IC401).
5	CON1	Outputs data signal for the DDS circuits (PLL unit, IC101, IC401).
7	PSEL	Outputs strobe selection signals for the I/O expander (PLL unit, IC1).
8	PSTB	Outputs strobe signals for the I/O expander IC (PLL unit, IC1).
9	UNLC	Input port for unlock signal from the PLL unit.
12	LTXD	Outputs data signal for the sub-CPU (SUB-LOGIC board, IC3).
14	LRXD	Input port for data signal from the sub-CPU (SUB-LOGIC board, IC3).
17	TM1D	Outputs [TIMER] indicator control signal. High: When the timer function is ON
18	PWRS	Outputs switching relay (PA unit, RL1) control signal. High: During power ON
26	LRES	Outputs reset signal for the expander (IC803) and the LCD controller (IC802).
27–34	D8D15	Data bus lines for the the expander (IC803) and the LCD controller (IC802).
36–43, 45–51	A0–A7, A8–A14	Output ports for address signal for the expander (IC803) and the LCD controller (IC802).
54	voxs	Input port for VOX detection.  Low: While transmitting
55	SKYS	Input port for the [KEY] jack. Low: During key down
56	SEND	Input port for connected microphone's PTT switch and SEND signal from the ACC jacks.  High: While the PTT is pushed or activated from an external unit.
59	TRAS	Outputs low level signal while the antenna tuner is tuning.
66, 67	EXTAL, XTAL	Input ports for the CPU system clock oscillator (X801; 12.288 MHz).
78	SML	Input port for the S-meter amplifier circuit (IC202a).

#### MAIN CPU — continued

MAIN CPU — continued			
Pin number	Port name	Description	
79	ALCL	Input port for the ALC amplifier circuit (IC602c).	
80	FORL	Input port for the power meter amplifier circuit (IC601b).	
81	REFL	Input port for the SWR meter amplifier circuit (IC601a).	
82	FMNL	Input port for the FM IF IC (IC306), for noise squelch operation.	
83	SCPL	Input port for the scope signal.	
84	STONL	Outputs CW side-tone signals.	
85	BEEP	Outputs beep audio signals.	
87	PWRK	Input port for the [POWER] switch.  Low: When the [POWER] is pushed.	
91	IKEY	Input port for transmit control signal from the antenna tuner CPU (CTRL unit, IC5).	
93	ISTA	Outputs antenna tuner start signal.	
94	RXS	Outputs R8 regulator (Q151, Q152) control signal.  Low: While receiving	
95	TXS	Outputs T8 regulator (Q153, Q154) control signal.  Low: While transmitting	
96	SQLS	Outputs squelch mute control signal, applied to the AF selector switch (IC507).  High: Squelched	
97	AFMS	Outputs AF mute switch (MAIN unit, Q501) control signal.  Low: When the [AF] control is set max. CCW	
98	MCK	Outputs clock signal.	
99	MDAT	Outputs data signal.	

## 4-7-3 SUB-CPU PORT ALLOCATIONS (SUB-LOGIC UNIT, IC3)

<del></del>		C UNIT, IC3)
Pin number	Port name	Description
7, 8	OSC1, OSC2	Input and output ports for the system clock oscillator (X51; 9.8304 MHz).
9	DRES	Input port for reset signal.
12, 83	MSB, MSA	Input port for the [DIAL]; pulse-type signals are applied.
56, 57	DOTK, DSHK	Input ports for the [ELE-KEY] jack.
63–65	MDM0– MDM2	Output ports for the S/RF meter backlight and function switch activation indicator brightness control signal.    Port
67–75	TNRD, MOND NBD, NRD LOCD, TD RD, APFD NOTD	Output ports for the function switches activation indicator control signal.  High: When the function is activated.
81	METV	Outputs the S/RF meter (ME1) drive signal.
82, 84	RSA, RSB	Input ports for the [RIT/ΔTX] control; pulse-type signals are applied.
86	RXD	Input port for data signal from the main CPU (MAIN unit, IC801).
87	TXD	Outputs data signal for the main CPU (MAIN unit, IC801).
90	BALL	Input port for the [BAL] control (R256/inner).
91	NRL	Input port for the [NR] control (R256/outer).
92	MIGL	Input port for the [MIC GAIN] control (R302).
93	PWRL	Input port for the [RF POWER] control (R304).
94	CMPL	Input port for the [COMP] control (R306).
95	KYSL	Input port for the [KEY SPEED] control (R308).
96	DELL	Input port for the [BK-IN DELAY] control (R310).
97	PB1L	Input port for the [TWIN PBT (inner)] control (PBT board, R2/inner).
98	PB2L	Input port for the [TWIN PBT(outer)] control (PBT board, R2/outer).
99	APFL	Input port for the [APF] control (PBT board, R1/inner).
100	PITL	Input port for the [CW PITCH] control (PBT board, R1/outer).

## 4-7-4 I/O EXPANDER PORT ALLOCATIONS (MAIN unit, IC803)

(WAIN UIII, ICOUS)		
Pin number	Port name	Description
8	P25	Outputs strobe signals for an optional UT-102 SPEECH SYNTHESIZER.
9	ESTA	Outputs external antenna tuner (AH-3) start signal  Low: When the [TUNE] switch is pushed.
10	EKEY	Input port for the KEY signal from the connected AH-3.  Low: While tuning or tune NG
11	P21	Input port for AH-3 connection detection. High: When AH-3 is connected.
12	P22	Input port for busy signal from the installed UT-102 SPEECH SYNTHESIZER.
14	KDS	Outputs transmit IF circuit control signal. High: When transmitting in CW or RTTY
15	IFS	Outputs transmit IF circuit control signal. High: When transmitting in SSB or AM
16	FMS	Outputs transmit IF circuit control signal. High: When transmitting in FM
18	MSL1	Outputs TX monitor audio select signal. High: During monitoring in SSB, AM or FM
19	MSL2	Outputs TX monitor audio select signal. High: During monitoring in RTTY or FM
20	CMPS	Outputs analog switch (IC513) control signal. High: When [COMP] is ON
21	AFS1	Outputs receive audio select signal. High : When receiving in FM
22	FMNS	Outputs FM deviation control signal. High: When FM-N is selected

### 4-7-5 INPUT EXPANDER PORT ALLOCATIONS

#### (1) SUB-LOGIC unit, IC501

Pin number	Port name	Description
1	KI4	Input port for the [RIT], [ $\Delta$ TX] and [CLEAR] switches.
2	AFL	Input port for the [AF] control (R252/inner).
4	RFL	Input port for the [RF/SQL] control (R252/outer).
5	MUD	Input port for [UP] and [DN] switches of the connected microphone.
12	КІЗ	Input port for the [D-WATCH], [CHANGE], [V/M] and [M/S] switches.
13	KI0	Input port for the [TUNER], [MONITOR], [NB] and [NR] switches.
14, 15	KI1, KI2	Input ports for the multi-function switches.

#### (2) MAIN unit, IC803

Pin number	Port name	Description
1	KI4	Input port for the [RIT], [ $\Delta$ TX] and [CLEAR] switches.
2	AFL	Input port for the [AF] control (R252/inner).
4	RFL	Input port for the [RF/SQL] control (R252/outer).
5	MUD	Input port for [UP] and [DN] switches of the connected microphone.
12	КІЗ	Input port for the [D-WATCH], [CHANGE], [V/M] and [M/S] switches.
13	KI0	Input port for the [TUNER], [MONITOR], [NB] and [NR] switches.
14, 15	KI1, KI2	Input ports for the multi-function switches.

### 4-7-6 OUTPUT EXPANDER PORT ALLOCATIONS (1) CTRL unit, IC11

Pin number	Port name	Description
4	L1S	Outputs a low-pass filter select signal. High: When 0.03–1.999999 MHz band is selected.
5	L2S	Outputs a low-pass filter select signal. High : When 2.0–5.999999 MHz band is selected.
6	L3S	Outputs a low-pass filter select signal. High: When 6.0-7.999999 MHz band is selected.
7	L4S	Outputs a low-pass filter select signal. High : When 8.0–14.999999 MHz band is selected.
11	ANTS	Outputs the antenna connector ([ANT1] or [ANT2]) select signal. High: When [ANT2] is selected.
12	L7S	Outputs a low-pass filter select signal. High: When 30.0–60.0 MHz band is selected.
13	L6S	Outputs a low-pass filter select signal. High: When 22.0–29.999999 MHz band is selected.
14	L5S	Outputs a low-pass filter select signal. High: When 15.0–21.999999 MHz band is selected.

#### (2) RF unit, IC1

Pin number	Port name	Description
4	B0S	Outputs a bandpass filter select signal. High: When 0.03–1.599999 MHz band is selected.
5	B1S	Outputs a bandpass filter select signal. High: When 1.6–1.999999 MHz band is selected.
6	B2S	Outputs a bandpass filter select signal. High: When 2.0–2.999999 MHz band is selected.
7	B3S	Outputs a bandpass filter select signal. High: When 3.0–3.999999 MHz band is selected.
11	B7S	Outputs a bandpass filter select signal. High: When 11.0–14.999999 MHz band is selected.
12	B6S	Outputs a bandpass filter select signal. High: When 8.0–10.999999 MHz band is selected.
13	B5S	Outputs a bandpass filter select signal. High: When 6.0–7.999999 MHz band is selected.
14	B4S	Outputs a bandpass filter select signal. High: When 4.0–5.999999 MHz band is selected.

#### (3) RF unit, IC21

Pin number	Port name	Description
4	B8S	Outputs a bandpass filter select signal. High : When 15.0–21.999999 MHz band is selected.
5	B9S	Outputs a bandpass filter select signal. High: When 22.0–29.999999 MHz band is selected.
6	B10S	Outputs a bandpass filter select signal. High: When 50.0-54.0 MHz band is selected.
7	B10W	Outputs a bandpass filter select signal. High: When 30.0–49.999999 MHz or 54.000001–60.0 MHz band is selected.
11	PR2S	Outputs the pre-amplifier 2 circuit (IC371) control signal. High: When PRE2 is selected.
12	PR1S	Outputs the pre-amplifier 1 circuit (Q341, Q342) control signal. High: When PRE1 is selected.
13	AT2S	Outputs the attenuator circuit (RL752, R753, R754) control signal. High: When 6 dB attenuator is ON
14	AT1S	Outputs the attenuator circuit (RL751, R751, R752) control signal. High: When 12 dB attenuator is ON

#### (4) MAIN unit, IC810

Pin number	Port name	Description
4	2S3K	Outputs a 2nd IF filter select signal. High: When 2.4 kHz passband width is selected.
5	2STH	Outputs a 2nd IF filter select signal. High: When 15.0 kHz passband width is selected.
6	2SOP	Outputs a 2nd IF filter select signal. High: When the installed optional filter is selected.
7	3S3K	Outputs a 3rd IF filter select signal. High : When 2.8 kHz passband width is selected.
11	RANS	Outputs the RX antenna select signal. High: When [RX ANT] is selected.
12	3SOP	Outputs a 3rd IF filter select signal. High: When the installed optional filter is selected.
13	3S15	Outputs a 3rd IF filter select signal. High: When 15.0 kHz passband width is selected.
14	3S9K	Outputs a 3rd IF filter select signal. High : When 9.0 kHz passband width is selected.

#### (5) MAIN unit, IC811

Pin	Port	Description			
number	name	Description			
4	AGOS	Outputs AGC rate select signal. High: When AGC OFF is selected.			
5	AFSS	Outputs AGC rate select select signal. High: When AGC SLOW is selected.			
6	AGMS	Outputs AGC rate select signal. High: When AGC MID is selected.			
7	AGFS	Outputs AGC rate select signal. High: When AGC FAST is selected.			
11	PVHS	Outputs VHF bands RF power control signal. High: When 30-60 MHz band is selected.			
12	AMS	Outputs AM mode select signal for the AGC and the APC circuit. High: When AM is selected.			
13	NBLS	Outputs the noise blanker switch (Q105, Q106) control signal.  High: When the [NB] is ON, except in FM mode.			
14	NBS	Outputs the noise blanker switch (Q105, Q106) control signal.  High: When the [NB] is ON, except in AM and FM modes.			

#### (6) PLL unit, IC101

Pin number	Port name	Description
68	MAKS	Outputs the marker mute switch (IC192) control signal. High: When the [MARKER] is ON and receiving.
70	PAMT	Outputs LO mute switch (Q361) control signal.  Low: Muted
71	PAFS	Outputs bandpass filter select switch (Q351) control signal. High: When less than 8 MHz is displayed on the main band.
73	VA3S	Outputs the LO switch (VCO-A board, Q252) control signal.  High: While 30.0–60.0 MHz band is displayed on the main band.
74	VA2S	Outputs the LO switch (VCO-A board, Q222) control signal. High: While 15.0–29.999999 MHz band is displayed on the main band.
75	VA1S	Outputs the LO switch (VCO-A board, Q202) control signal. High: While 0.03-14.999999 MHz band is displayed on the main band.

#### (7) PLL unit, IC401

(/) PLL unit, IC401						
Pin	Port	Description				
number	name	•				
70	РВМТ	Outputs LO mute switch (Q661) control signal.  Low: Muted				
71	PBFS	Outputs bandpass filter select switch (Q651) control signal. High: When less than 8 MHz is displayed on the sub band.				
73	VB3S	Outputs the LO switch (VCO-B board, Q252) control signal. High: While 30.0–60.0 MHz band is displayed on the sub band.				
74	VB2S	Outputs the LO switch (VCO-B board, Q222) control signal. High: While 15.0–29.999999 MHz band is displayed on the sub band.				
75	VB1S	Outputs the LO switch (VCO-B board, Q202) control signal. High: While 0.03-14.999999 MHz band is displayed on the sub band.				

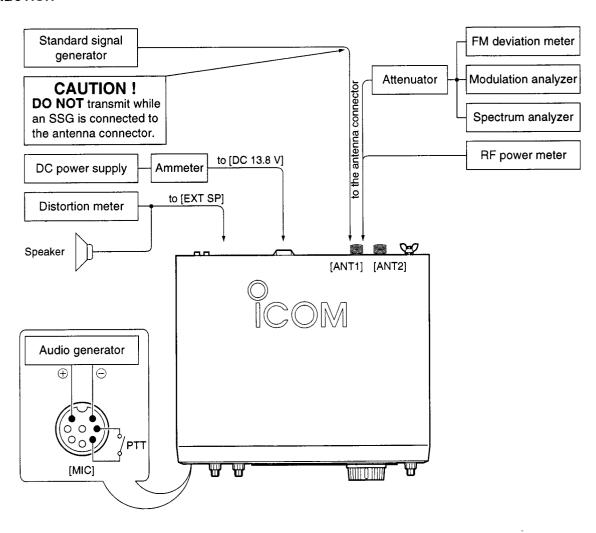
### SECTION 5 ADJUSTMENT PROCEDURES

#### 5-1 PREPARATION BEFORE SERVICING

#### **■ REQUIRED TEST EQUIPMENT**

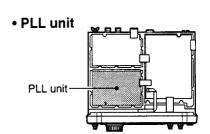
EQUIPMENT	GRADE	AND RANGE	EQUIPMENT	GRADE	AND RANGE	
DC power supply	Output voltage Current capacity	: 13.8 V DC : 25 A or more	Audio generator	Frequency range Output level	: 300–3000 Hz : 1–500 mV	
RF power meter (terminated type)	Measuring range Frequency range Impedance	: 10–200 W : 1.8–100 MHz : 50 Ω	Standard signal generator (SSG)	Frequency range Output level	: 0.1–100 MHz : 0.1 µV–32 mV (–127 to –17 dBm)	
	SWR	: Less than 1.2 : 1	Oscilloscope	Frequency range	: DC-20 MHz	
	Frequency range	: 0.1–100 MHz		Measuring range	: 0.01–20 V	
Frequency counter	Frequency accuracy : ± Sensitivity : 1	: ±1 ppm or better : 100 mV or better	DC voltmeter	Input impedance	: 50 kΩ/V DC or better	
		: 0.1–100 MHz	AC millivoltmeter	Measuring range	: 10 mV-10 V	
RF voltmeter	Measuring range	: 0.01–10 V	Digital multimeter	Input impedance	: 10 MΩ/V DC or better	
FM deviation meter	Frequency range	: DC-500 MHz	Ammeter	Measurement capacity: 1 A and 30 A		
	Measuring range	: 0 to ±5 kHz		Impedance	: 8 Ω	
Modulation analyzer	Frequency range	: At least 90 MHz	External speaker	Max. input power	: 5 W	
	Measuring range	: 0–100 %		Power attenuation	: 50 or 60 dB	
Spectrum analyzer	Frequency range	: At least 90 MHz	Attenuator	Capacity	: 150 W or more	
	Spectrum bandwidth	: ±100 kHz or more		Resistance	: 50 and 150 Ω	
Distortion meter	Frequency range Measuring range	: 1 kHz ±10 % : 1–100 %	Terminator	Capacity	: 150 W or more	

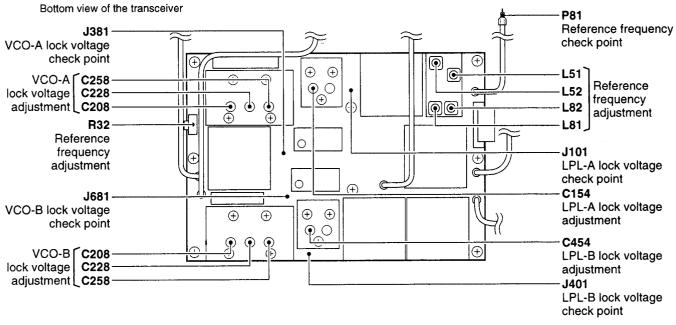
#### **■** CONNECTION



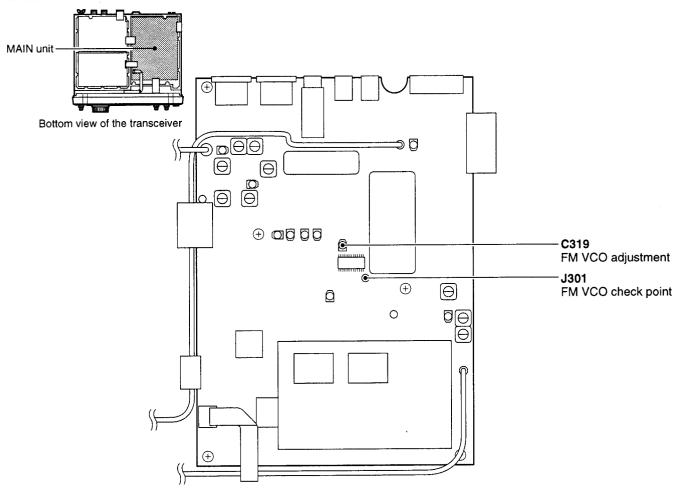
#### **5-2 PLL ADJUSTMENT**

AD ILIOTAE		AD HIGHMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMENT		ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
REFERENCE FREQUENCY	1	Displayed freq. : 14.10000 MHz     Mode : USB     Receiving			Center position	PLL	R32, L52
	2	Receiving	PLL	Connect an RF volt- meter to P81.	Maximum level		L81, L82
	3	Receiving		Connect a frequency counter to P81	60.000000 MHz		L51 (L52 for critical adjustment)
LPL-A LOCK VOLTAGE	1	Displayed freq. : 0.03000 MHz     Mode : USB     Receiving	PLL	Connect a multi-meter to J101.	2.0 V	PLL	C154
VCO-A LOCK VOLTAGE	1	Displayed freq. : 14.99999 MHz     Mode : USB     Receiving	PLL	Connect a multi-meter to J381.	4.2 V	VCO-A board	C208
	2	Displayed freq. : 29.99999 MHz     Mode : USB     Receiving					C228
	3	Displayed freq. : 60.00000 MHz     Mode : USB     Receiving			4.4 V		C258
LPL-B LOCK VOLTAGE	1	• [DUAL WATCH] : ON • Sub display freq.: 0.030000 MHz • Mode : USB • Receiving	PLL	Connect a multi-meter to J401.	2.0 V	PLL	C454
VCO-B LOCK VOLTAGE	1	Sub display freq.: 14.99999 MHz     Mode : USB     Receiving	PLL	Connect a multi-meter to J681.	4.2 V	VCO-B board	C208
	2	Sub display freq.: 29.99999 MHz     Mode : USB     Receiving					C228
	3	Sub display freq.: 60.00000 MHz     Mode : USB     Receiving			4.4 V		C258
FM VCO	1	[DUAL WATCH] : OFF     Displayed freq. : 51.00000 MHz     Mode : FM     Applied no audio signals to the [MIC] connector.     Transmitting	MAIN	Connect a multimeter to J301 (LV).	3 V	MAIN	C319





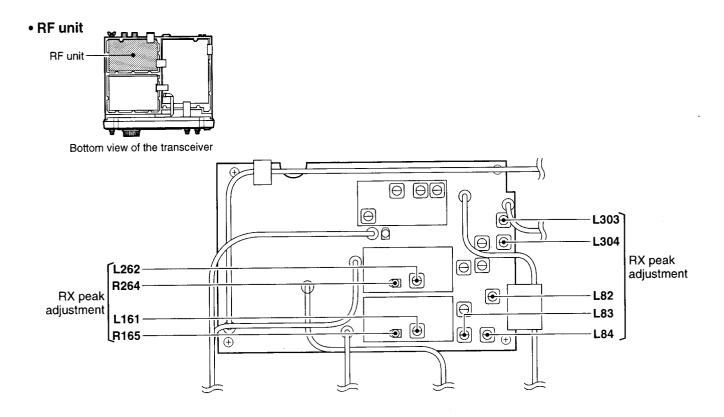
#### • MAIN unit



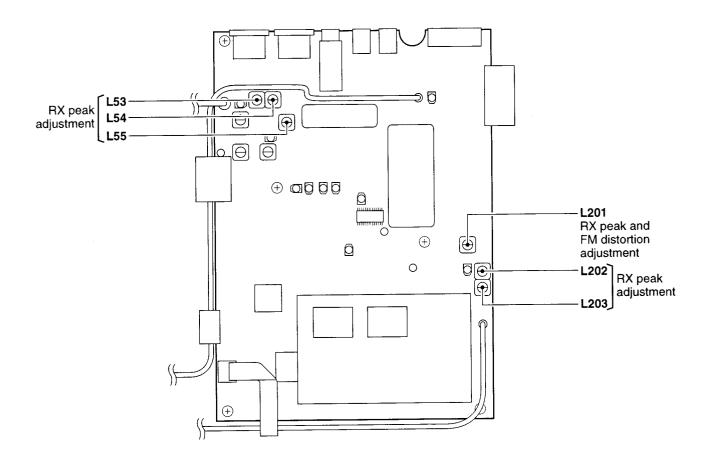
### **5-3 RECEIVER ADJUSTMENT**

			ı	MEASUREMENT	\/A1 11F	ADJUSTMENT	
ADJUSTMEN	IT	ADJUSTMENT CONDITIONS	UNIT LOCATION		VALUE	UNIT	ADJUST
RX PEAK	1	• Displayed freq. : 14.100000 MHz • Mode : FM • [P.AMP] : OFF • [ATT] : OFF • Connect an SSG to the [ANT1] connector and set as:  Frequency : 14.100000 MHz  Level : 10 µV* (-87 dBm)  Modulation : 1 kHz/±7.5 kHz dev.	Front panel	S/RF meter	Maximum indication	RF	Adjust in sequence L262, L82 L303, L304, L83, L84
	2	Displayed freq.: 0.100000 MHz     Mode: USB     Set an SSG output level to OFF.     Receiving	Rear panel	Connect an AC millivolt meter to the [EXT SP] connector with an 8 $\Omega$ load.	Minimum noise level		R264
	3	• [DUAL WATCH] : ON • Sub display freq.: 14.100000 MHz • Mode : FM • [BAL] : Max. CW • Set an SSG output level as: 10 µV* (–87 dBm) • Receiving	Front panel	S/RF meter	Maximum indication		L161
	4	Sub display freq.: 0.100000 MHz     Mode : USB     Set an SSG output level to OFF.     Receiving	Rear panel	Connect an AC millivolt meter to the [EXT SP] connector with an $8 \Omega$ load.	Minimum noise level		R165
	5	<ul> <li>Displayed freq.: 14.100000 MHz</li> <li>Mode: USB</li> <li>[DUAL WATCH]: OFF</li> <li>Set following selections, controls and functions as:     [P.AMP]: 1</li></ul>	Door	Connect on distortion	Maximum audio output level		Adjust in sequence L201, L202, L203, L54, L55
FM DISTORTION	1	Displayed freq.: 14.100000 MHz  Mode: FM  AGC: OFF  Set IF filters selection as follows:  9 MHz IF: 15 kHz  455 kHz IF: 15 kHz  Connect an SSG to the [ANT1] connector and set as:  Frequency: 14.100000 MHz  Level: 3.2 µV* (-97 dBm)  Modulation: 1 kHz/±7.5 kHz Dev.	Rear panel	Connect an distortion meter to the [EXT SP] connector with an 8 $\Omega$ load.	distortion level	MAIN	L201

<sup>\*</sup>This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



#### • MAIN unit

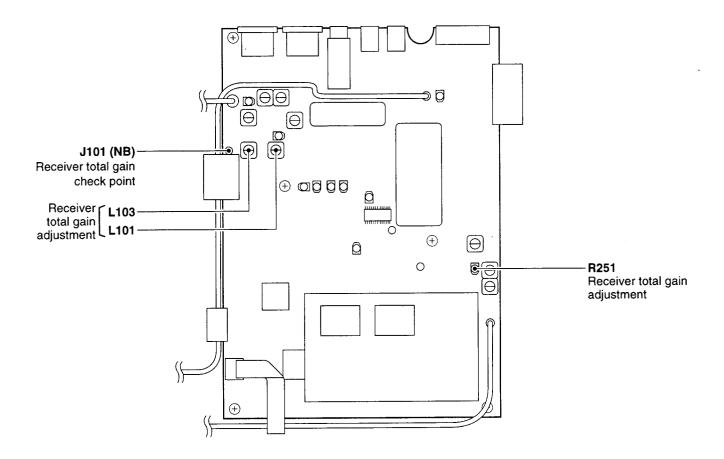


### **RECEIVER ADJUSTMENT** — continued

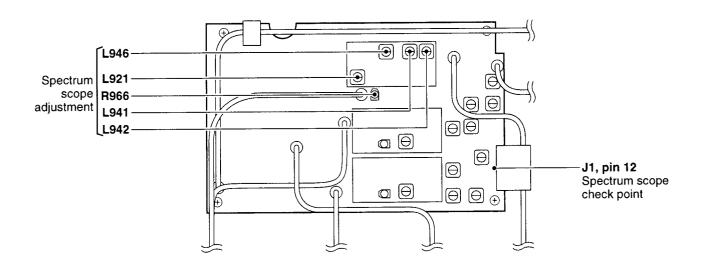
		AR WARRENT CONDITIONS	ı	MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMEN	ADJUSTMENT CONDITIONS		UNIT	LOCATION	VALUE	UNIT	ADJUST
RECEIVER TOTAL GAIN	<b>—</b>	Displayed freq.: 14.100000 MHz  Mode: USB  AGC: ON  Set IF filters selection as follows:  9 MHz IF: 2.4 kHz  455 kHz IF: 2.8 kHz  Connect an SSG to the [ANT1] connector and set as:  Frequency: 14.101500 MHz  Level: 0.5 mV* (-53 dBm)  Modulation: OFF  Receiving	Rear panel	Connect an AC millivolt meter to the [EXT SP] connector with an 8 Ω load.	1.0 V (0 dB)	Front unit	[AF] control
	2	Set an SSG output level: OFF			32 mV (-30 dB)	MAIN	R251
NOISE BLANKER	1	Displayed freq.: 14.100000 MHz  Mode: USB  Set following selections, controls and functions as:  [P.AMP]: 1 [NB]: OFF  Connect an SSG to the [ANT1] connector and set as:  Frequency: 14.101500 MHz  Level: 3.2 µV* (-97 dBm)  Modulation: OFF  and apply the following signal to the [ANT1] connector.  100 msec.  Pre-set R103 to 12 o'clock position.  Receiving		Connect an oscillo- scope to J101 (NB).	Maximum noise level	MAIN	L101 L103
	2	• Set an SSG output level as: 10 μV* (–87 dBm) • Receiving			Minimum noise level		R103
SPECTRUM SCOPE	4	Displayed freq.: 14.100000 MHz  Mode: FM  Connect an SSG to J901 on the RF unit and set as: Frequency: 9.4665 MHz Level: 3.2 µV* (-97 dBm) Modulation: OFF  Receiving	RF	Connect a multimeter to pin 12 of J1 on the RF unit.	Maximum voltage	RF	Adjust in sequence L941 L942 L946 L921
	2	<ul> <li>Connect an "SLO" signal (scope LO: PLL unit, P801) line to J901 on the RF unit.</li> <li>Apply no signals to the antenna connectors.</li> <li>Receiving</li> </ul>	RF		0.25 V		R966

<sup>\*</sup>This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

#### • MAIN unit

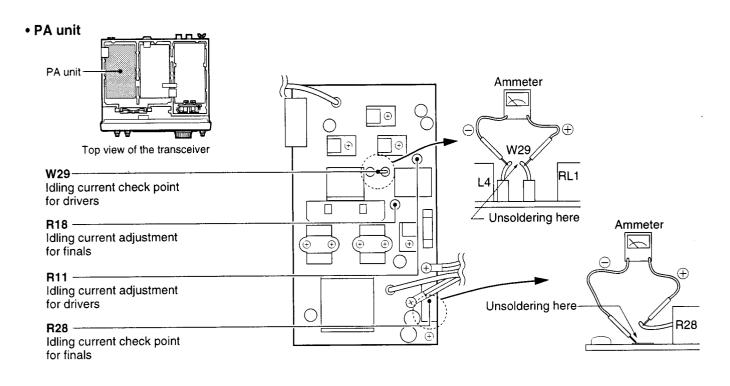


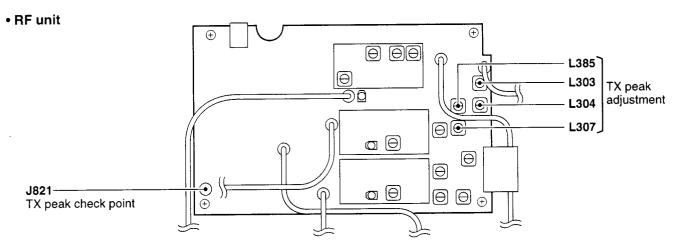
#### • RF unit

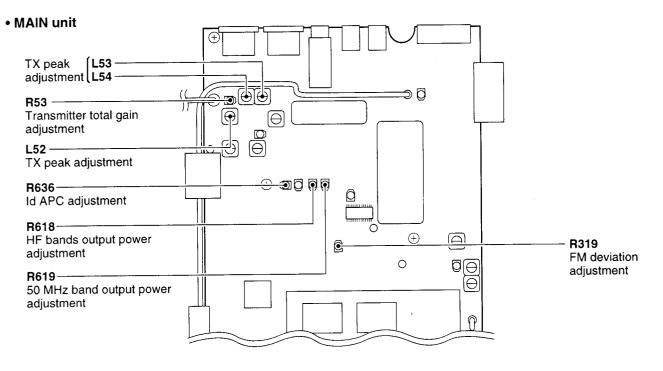


### **5-4 TRANSMITTER ADJUSTMENT**

ADJUSTME	ΔŦ	AD ILISTMENT CONDITIONS		MEASUREMENT	VALUE	ADJU	ADJUSTMENT	
ADJUSTIVIE	N I	ADJUSTMENT CONDITIONS		LOCATION	VALUE	UNIT	ADJUST	
IDLING CURRENT (for driver)	1	Displayed freq.: 14.100000 MHz     Mode: USB     Preset R11, R18 on the PA unit to max. CCW	PA	Unsolder W29. Connect an ammeter to the unsoldering points of W29.	500 mA	PA	R11	
(for final amplifier)		[MIC GAIN] : Max. CCW     [RF POWER] : Max. CW     [TUNER] : OFF     Apply no audio signals to the [MIC] connector.     Transmitting		Unsolder R28 (L8 side). Connect an ammeter to the unsoldering points of R28.	500 mA		R18	
TX PEAK	1	Displayed freq. : 14.100000 MHz     Mode : FM     [RF POWER] : Max. CW     Transmitting	RF	Connect an RF volt- meter to J821 on the RF unit.	Maximum output	RF	Adjust in sequence L303 L304 L307 L385	
	2	Mode : USB     Connect an audio generator to the [MIC] connector and set as:	Rear panel	Connect an RF power meter to the [ANT1] connector.	50 W	Front panel	[MIC GAIN] control	
		Frequency: 1.5 kHz Level: 3 mV  Transmitting		connector.	Maximum output power	MAIN	L52, L53 L54	
TRANSMITTER TOTAL GAIN	1	Displayed freq.: 14.100000 MHz  Mode: USB  [MIC GAIN]: Center  Connect an audio generator to the [MIC] connector and set as:  Frequency: 1.5 kHz Level: 3 mV  Transmitting	Rear panel	Connect an RF power meter to the [ANT1] connector.	50 W	MAIN	R53	
Id APC	1	Displayed freq.: 14.100000 MHz     Mode: RTTY     Connect J102 to GND.     Transmitting	Rear panel	Connect an ammeter between power supply and the IC-756.	22A	MAIN	R636	
HF BANDS OUTPUT POWER	1	Displayed freq. : 14.100000 MHz     Mode : RTTY     [RF POWER] : Max. CW     [TUNER] : OFF     Transmitting	Rear panel	Connect an RF power meter to [ANT1] connector.	100 W	MAIN	R618	
50 MHz BAND OUTPUT POWER	1	Displayed freq. : 51.000000 MHz     Mode : RTTY     [RF POWER] : Max. CW     [TUNER] : OFF     Transmitting	Rear panel	Connect an RF power meter to [ANT1] connector.	100 W	MAIN	R619	
FM DEVIATION	1	Displayed freq.: 29.60000 MHz  Mode: FM  [MIC GAIN]: Center  Connect an audio generator to the [MIC] connector and set as: Frequency: 1 kHz Level: 30 mV  Transmitting	Rear panel	Connect an FM deviation meter to the [ANT1] connector through an attenuator.	±4.5 kHz	MAIN	R319	







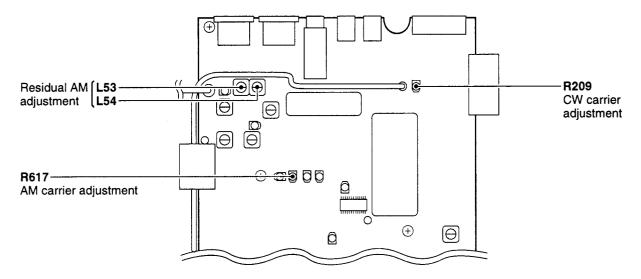
### TRANSMITTER ADJUSTMENT— continued

AD ILICTMEN		AD HISTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMEN	N I	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
RESIDUAL AM	1	Displayed freq. : 29.60000 MHz     Mode : FM     [MIC GAIN] : Center     Connect an audio generator to the [MIC] connector and set as:	Rear panel	Connect an RF power meter to the [ANT1] connector.	Minimum power difference with modulation and unmodulation.	MAIN	L53, L54
		Frequency : 1 kHz Level : 30 mV and OFF  Transmitting				RF	L303 L304
AM CARRIER	1	Displayed freq. : 29.60000 MHz     Mode : AM     [RF POWER] : Max. CW     [MIC GAIN] : Center     Apply no audio signals to the [MIC] connector.     Transmitting	Rear panel	Connect an RF power meter to the [ANT1] connector.	40 W	MAIN	R617
CW CARRIER	1	Displayed freq.: 14.10000 MHz     Mode: CW     [RF POWER]: Max. CCW     Connect a "key" to the [ELE-KEY] connector     Key down (transmitting)	MAIN	Connect an oscillo- scope to J821 (KDS) and [ANT1] connector.		MAIN	R209

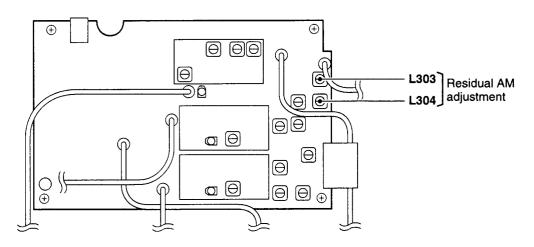
### **5-5 TUNER ADJUSTMENT**

ADJUSTMENT	ADJUSTMENT ADJUSTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTIVIENT	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
SWR DETECTOR	<ul> <li>Displayed freq. : 29.70000 MHz</li> <li>Mode : FM</li> <li>[RF POWER] : Max. CW</li> <li>[TUNER] : Through</li> <li>Connect a 50 Ω terminator to the [ANT1] connector.</li> <li>Transmitting</li> </ul>	CTRL	Connect an multimeter to J14 (REF).	Minimum voltage	CTRL	СЗ

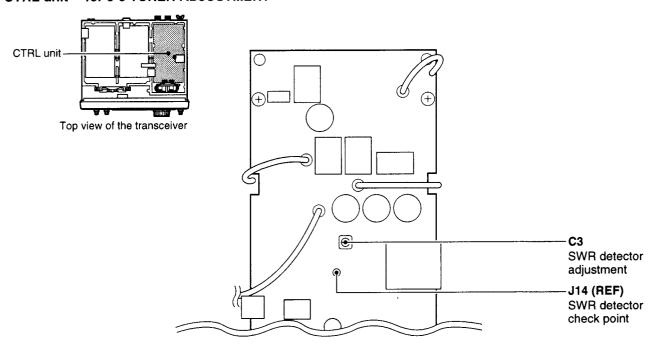
#### • MAIN unit—for 5-4 TRANSMITTER ADJUSTMENT



#### • RF unit— for 5-4 TRANSMITTER ADJUSTMENT



#### • CTRL unit— for 5-5 TUNER ADJUSTMENT



### SECTION 6 PARTS LIST

### [SUB-LOGIC BOARD]

REF NO.	ORDER NO.	and the second s	DESCRIPTION
IC1	1130002660	S.IC	μPD4030BG
IC2	113000266	i e	MC14071BF-EL
IC3	1140006440	S.IC	HD6433833A80H
IC151	1110000960	S.IC	NJM4558M(T1)
IC201	1110004200	S.IC	NJM2360M-TE3
IC501	1130007810	S.IC	BU4051BCF-T1
IC601	1110004200	S.IC	NJM2360M-TE3
IC701	1180001070	S.IC	TA7805F(TE16L)
Q101	1530003300	S.TRANSISTOR	2SC3647S-TD
Q102	1530003300		2SC3647S-TD
Q103	1520000650		2SB1201-S-TL
Q104	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q353	1590002310	1	DTC114EE TL
Q354	1590002310	ş	DTC114EE TL
Q355 Q356	1590002310 1590002310	S.TRANSISTOR S.TRANSISTOR	DTC114EE TL DTC114EE TL
Q451	1590002310	1	DTC114EE TL
Q452	1590002310	S.TRANSISTOR	DTC114EE TL
Q453	1590002310		DTC114EE TL
Q454	1520000650	S.TRANSISTOR	2SB1201-S-TL
Q455	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q501	1590002310	S.TRANSISTOR	DTC114EE TL
1			
D101	1730000410	S ZENER	RD5.1M-T2B2
D201	1790001470	S.DIODE	SB10-05PCP-TD
D451	1730000410	S.ZENER	RD5.1M-T2B2
D501	1750000520	S.DIODE	DAN222TL
D502	1750000520	S.DIODE	DAN222TL
D503	1750000520	S.DIODE	DAN222TL
D505 D507	1160000140 1750000520	S.DIODE S.DIODE	DAP222 TL DAN222TL
D507	1750000520	S.DIODE	DAN222TL
D601	1790001470	S.DIODE	SB10-05PCP-TD
X51	6050009870	S.XTAL	CR-567 (9.8304 MHz)
L101	6190001180	S.COIL	BLC13H-D818HN-1107
L102	6190001190	S.COIL	D10F-A814AY-101K=P3
L103	6180000990		LAL 04NA 101K
L201	6190001200	S.COIL	D10F-A814AY-681K=P3
L202 L203	6190001200 6180001000	S.COIL COIL	D10F-A814AY-681K=P3 LAL 04NA 102K
L501	6200003950	S.COIL	HF50ACC 322513-T
L502	6200003950	S.COIL	HF50ACC 322513-T
L503	6200003950	S.COIL	HF50ACC 322513-T
L601	6190001210	S.COIL	D10F-A814AY-221K=P3
L602	6190001200	S.COIL	D10F-A814AY-681K=P3
R2	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R3	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R5	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R6	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R7	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R8	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R9 R10	7030003800 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ) ERJ3GEYJ 104 V (100 kΩ)
R11	7030003080	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R12	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R13	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R51	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R101	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R102	7030000300	S.RESISTOR	MCR10EZHJ 220 Ω (221)
R103 R104	7030003560 7030003500	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 332 V (3.3 kΩ)
R104	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R151	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R152	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)
R153	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R154	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R155	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)

#### [SUB-LOGIC BOARD]

REF   ONDER   NO.   NO.   DESCRIPTION   NO.   NO.	[SOB-	LOGIC B	JANUJ	
R158         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (47 KΩ)           R160         7310002740         S.TRIMMER         RV-150           R161         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R2021         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R203         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R251         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R251         7030003400         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R252         7210002890         VARIABLE         ERJ3GEYJ 473 V (47 kΩ)           R255         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R256         7210002830         VARIABLE         ERJ3GEYJ 473 V (47 kΩ)           R301         7730003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R302         7210002830         VARIABLE         EVU-FLAEO2 B14 (10KB)           R303         7300003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R304         7210002830         VARIABLE         EVU-FLAEO2 B14 (10KB)           R305         7300003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)		1		DESCRIPTION
R159				, ,
R1616	ı			
R161   7030003600   S.RESISTOR   ERJ3GEYJ 223 V (22 kΩ)   R202   7030003600   S.RESISTOR   ERJ3GEYJ 223 V (22 kΩ)   R203   7030003600   S.RESISTOR   ERJ3GEYJ 223 V (22 kΩ)   R205   7030003640   S.RESISTOR   ERJ3GEYJ 273 V (47 kΩ)   R252   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R252   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R252   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R256   7210002890   VARIABLE   RJ3GEYJ 473 V (47 kΩ)   R256   7210002890   VARIABLE   RJ3GEYJ 473 V (47 kΩ)   R256   7210002890   VARIABLE   RJ3GEYJ 473 V (47 kΩ)   R256   7210002830   VARIABLE   RJ3GEYJ 473 V (47 kΩ)   R256   7210002830   VARIABLE   ERJ3GEYJ 473 V (47 kΩ)   R256   7210002830   VARIABLE   EVU-FLAZO2 B14 (10KB)   R256   R256	•	1		
Page		1	i	
R203   7030000040   S.RESISTOR   RCHIOCZHJ J. 1.5 Ω (1R5)   R251   7030003640   S.RESISTOR   RV-308   RV-308   RV-308   RV-309   RV-307   RV-309   RV-309	1	1	S.RESISTOR	` ′
R251         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R253         7210002890         VARIABLE         RV-308           R255         7210002890         VARIABLE         RPJ3GEYJ 473 V (47 kΩ)           R256         7210002890         VARIABLE         RPJ3GEYJ 473 V (47 kΩ)           R257         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R301         730003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R302         721002630         VARIABLE         ERJ3GEYJ 473 V (47 kΩ)           R303         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R306         7210002630         VARIABLE         EVJ-FLAE02 B14 (10KB)           R306         7210002630         VARIABLE         EVJ-FLAE02 B14 (10KB)           R307         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R308         7210002630         VARIABLE         EVJ-FLAE02 B14 (10KB)           R330         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R330         7030003640         S.RESISTOR         ERJ3GEY J473 V (47 kΩ)           R353         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R3		1		` '
R252         7210002890         VARIABLE         RV-308           R255         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R256         7210002890         VARIABLE         RV-308           R257         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R301         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R302         7210002630         VARIABLE         EV-1FLAGO EH 4 (10KB)           R303         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R306         7210002630         VARIABLE         EVU-FLAGO EH 4 (10KB)           R307         7300003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R308         7210002630         VARIABLE         EVU-FLAGO EH 4 (10KB)           R309         730003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R301         7210002630         VARIABLE         EVU-FLAGO EH 4 (10KB)           R332         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R335         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R354         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R357			1	
R255   7030003640   S.RESISTOR   R.J3GEYJ 473 V (47 kΩ)   R256   7030003640   S.RESISTOR   R.J3GEYJ 473 V (47 kΩ)   R256   7030003640   S.RESISTOR   R.J3GEYJ 473 V (47 kΩ)   R301   7030003640   S.RESISTOR   R.J3GEYJ 473 V (47 kΩ)   R302   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R306   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R307   7030003640   S.RESISTOR   R.J3GEYJ 473 V (47 kΩ)   R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R309   R30003420   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R309   R309   R30903420   S.RESISTOR   ERJ3GEYJ 472 V (47 kΩ)   R309   R30	:	1	1	
R255         7030003640         S.RESISTOR         RN-306         RV-308           R257         7030003640         S.RESISTOR         RN-308         RV-308           R301         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R302         710002630         VARIABLE         EVU-FLACED 814 (10KB)           R304         721002630         VARIABLE         EVU-FLACED 814 (10KB)           R305         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R306         7210002630         VARIABLE         EVU-FLACED 814 (10KB)           R307         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R308         7210002630         VARIABLE         EVU-FLAED2 B14 (10KB)           R309         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R352         7030003420         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R355         7030003420         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R356         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R357         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R358         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω) </td <td>1</td> <td>1</td> <td>i e</td> <td></td>	1	1	i e	
R301   7030003640   S.RESISTOR   R.J.3GEY.J. 473 V (47 kΩ)   R. 7030003640   S.RESISTOR   R.J.3GEY.J. 681 V (680 Ω)   R. 7030003420   S.RESISTOR   R.J.3GEY.J. 682 V (5.6 kΩ)   R. 7030003420   S.RESISTOR   R.J.3GEY.J. 471 V (470 Ω)   R. 7030003640   S.RESISTOR   R.J.3GEY.J. 471 V (470 Ω)   R. 7030003640   S.RESISTOR   R.J.3GEY.J. 472 V (47 kΩ)   R. 7030003640   S.RESISTOR   R.J.3GEY.J. 47		7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R301	1	I .	1	T I
R302   7210002630   VARIABLE   EVU-FLAEC2 B14 (10KB)   R304   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R306   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R306   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R307   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R309   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   R309   R30003540   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   ERJ3GEYJ 473 V (47 kΩ)   R309   R30003460   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   ERJ3GEYJ 473 V (47 kΩ)   R309   R30003420   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   ERJ3GEYJ 473 V (4.7 kΩ)   R309   R30003420   S.RESISTOR   ERJ3GEYJ 473 V (4.7 kΩ)   ERJ3GEYJ 473 V (4.7 kΩ)   R309   R30	•	1		
R304   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   R305   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   R306   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R307   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R309   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   R310   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R352   7030003540   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   R353   7030003540   S.RESISTOR   ERJ3GEYJ 472 V (47 KΩ)   R355   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   R355   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   R356   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   R356   7030003420   S.RESISTOR   ERJ3GEYJ 472 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   ERJ3GEYJ 473 V (47 KΩ)   R356   7030003420   S.RESISTOR   ERJ3GEYJ 473 V (47 KΩ)   ERJ3GEYJ 473 V	1	1	}	
R305   7030003640   S.RESISTOR	1	I	1	` '
R306		1		
R308   7030003640   S.RESISTOR	1	1		
R308   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)	í .	1		
R309   7030003640   S.RESISTOR	ŧ	1		· , ,
R350   7210002630   VARIABLE   EVU-FLAE02 B14 (10KB)   R352   7030003480   S.RESISTOR   ERJ3GEYJ 682 V (6.8 kΩ)   R354   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R355   7030003420   S.RESISTOR   ERJ3GEYJ 153 V (15 kΩ)   R356   7030003420   S.RESISTOR   ERJ3GEYJ 681 V (680 Ω)   R356   7030003420   S.RESISTOR   ERJ3GEYJ 681 V (680 Ω)   R360   7030003420   S.RESISTOR   ERJ3GEYJ 681 V (680 Ω)   ERJ3GEYJ 681 V (680 Ω)   R360   7030003400   S.RESISTOR   ERJ3GEYJ 681 V (680 Ω)   ERJ3GEYJ 681 V (680 Ω)   R360   7030003400   S.RESISTOR   ERJ3GEYJ 262 V (5.6 kΩ)   ERJ3GEYJ 681 V (680 Ω)   R360   7030003400   S.RESISTOR   ERJ3GEYJ 471 V (470 Ω)   ERJ3GEYJ 681 V (680 Ω)   ERJ3GEYJ 681 V	ı	1		
R353   7030003480   S.R.ESISTOR   ERJ3GEVJ 222 V (2.2 kΩ)     R354   7030003520   S.R.ESISTOR   ERJ3GEVJ 472 V (4.7 kΩ)     R355   7030003420   S.R.ESISTOR   ERJ3GEVJ 472 V (4.7 kΩ)     R356   7030003420   S.R.ESISTOR   ERJ3GEVJ 681 V (680 Ω)     R358   7030003420   S.R.ESISTOR   ERJ3GEVJ 681 V (680 Ω)     R360   7030003420   S.R.ESISTOR   ERJ3GEVJ 681 V (680 Ω)     R360   7030003420   S.R.ESISTOR   ERJ3GEVJ 681 V (680 Ω)     R360   7030003420   S.R.ESISTOR   ERJ3GEVJ 681 V (680 Ω)     R401   7030003400   S.R.ESISTOR   ERJ3GEVJ 562 V (5.6 kΩ)     R402   7030003400   S.R.ESISTOR   ERJ3GEVJ 262 V (2.2 kΩ)     R403   7030003400   S.R.ESISTOR   ERJ3GEVJ 471 V (470 Ω)     R404   7030003400   S.R.ESISTOR   ERJ3GEVJ 471 V (470 Ω)     R405   7030003400   S.R.ESISTOR   ERJ3GEVJ 471 V (470 Ω)     R406   7030003400   S.R.ESISTOR   ERJ3GEVJ 471 V (470 Ω)     R451   7030003560   S.R.ESISTOR   ERJ3GEVJ 471 V (470 Ω)     R452   7030003560   S.R.ESISTOR   ERJ3GEVJ 103 V (10 kΩ)     R453   7030003560   S.R.ESISTOR   ERJ3GEVJ 103 V (10 kΩ)     R454   7030003560   S.R.ESISTOR   ERJ3GEVJ 103 V (10 kΩ)     R455   7030003500   S.R.ESISTOR   ERJ3GEVJ 103 V (10 kΩ)     R456   7030003500   S.R.ESISTOR   ERJ3GEVJ 162 V (6.8 kΩ)     R457   7030003500   S.R.ESISTOR   ERJ3GEVJ 162 V (6.8 kΩ)     R458   7030003500   S.R.ESISTOR   ERJ3GEVJ 163 V (15 kΩ)     R460   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R461   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (10 kΩ)     R462   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R501   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R502   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R503   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R504   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R505   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R506   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R507   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (47 kΩ)     R508   7030003600   S.R.ESISTOR   ERJ3GEVJ 170 V (1000000000000000000000000000000000		7210002630		EVU-FLAE02 B14 (10KB)
R354   7030003520   S.R.ESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)	1	1		
R355         7030003280         S.RESISTOR         ERJ3GEVJ 153 V (15 kΩ)           R357         7030003420         S.RESISTOR         ERJ3GEVJ 681 V (680 Ω)           R358         7030003420         S.RESISTOR         ERJ3GEVJ 681 V (680 Ω)           R369         7030003420         S.RESISTOR         ERJ3GEVJ 681 V (680 Ω)           R401         7030003420         S.RESISTOR         ERJ3GEVJ 681 V (680 Ω)           R402         7030003400         S.RESISTOR         ERJ3GEVJ 562 V (5.6 kΩ)           R402         7030003400         S.RESISTOR         ERJ3GEVJ 471 V (470 Ω)           R404         7030003400         S.RESISTOR         ERJ3GEVJ 471 V (470 Ω)           R405         7030003400         S.RESISTOR         ERJ3GEVJ 471 V (470 Ω)           R406         7030003560         S.RESISTOR         ERJ3GEVJ 471 V (470 Ω)           R451         7030003560         S.RESISTOR         ERJ3GEVJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEVJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEVJ 103 V (10 kΩ)           R456         7030003560         S.RESISTOR         ERJ3GEVJ 103 V (10 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEVJ 103 V (10 kΩ) <td>1</td> <td>3</td> <td></td> <td>` ′</td>	1	3		` ′
R357         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R358         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R360         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R401         7030003400         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R402         7030003400         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R403         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R404         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R405         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 132 V (15 kΩ)           R456         7030003560         S.RESISTOR         ERJ3GEYJ 132 V (15 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ) </td <td>1</td> <td>į.</td> <td></td> <td></td>	1	į.		
R359         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R360         7030003420         S.RESISTOR         ERJ3GEYJ 681 V (680 Ω)           R401         7030003400         S.RESISTOR         ERJ3GEYJ 682 V (5.6 kΩ)           R402         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R404         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R405         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003500         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R456         7030003560         S.RESISTOR         ERJ3GEYJ 173 V (15 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003560         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R461         7030003560         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ) <td></td> <td></td> <td></td> <td>` '</td>				` '
R360	R358	7030003420		ERJ3GEYJ 681 V (680 Ω)
R401   7030003530   S.RESISTOR		1		
R402         7030003400         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R403         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R404         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R405         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4545         7030003520         S.RESISTOR         ERJ3GEYJ 163 V (15 kΩ)           R456         7030003540         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         703000360         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R462         703000360         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ) <td></td> <td>1</td> <td></td> <td></td>		1		
R403         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R404         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003560         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R455         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R456         7030003540         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 1682 V (6.8 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R469         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003640         S.RESISTOR         ERJ3GEYJ 153 V (17 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) </td <td></td> <td>ľ</td> <td></td> <td></td>		ľ		
R405         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R406         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R455         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R456         7030003540         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R457         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R459         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003580         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R462         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) <td>_</td> <td>I</td> <td></td> <td>, ,</td>	_	I		, ,
R406         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R456         703000350         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R457         703000350         S.RESISTOR         ERJ3GEYJ 163 V (15 kΩ)           R458         703000350         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R469         703000350         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R460         703000350         S.RESISTOR         ERJ3GEYJ 173 V (16 kΩ)           R461         703000350         S.RESISTOR         ERJ3GEYJ 173 V (17 kΩ)           R501         703000350         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)	3	1		
R451         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R456         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R456         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R460         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003540         S.RESISTOR         ERJ3GEYJ 172 V (4.7 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) </td <td></td> <td>1</td> <td></td> <td></td>		1		
R452         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R455         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R456         7030003580         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (15 kΩ)           R460         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (15 kΩ)           R461         7030003500         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R462         7030003520         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ) <td>1</td> <td><b>5</b></td> <td></td> <td>` '</td>	1	<b>5</b>		` '
R453         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R455         7030003540         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R456         7030003540         S.RESISTOR         ERJ3GEYJ 162 V (6.8 kΩ)           R457         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R460         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R461         7030003500         S.RESISTOR         ERJ3GEYJ 173 V (10 kΩ)           R461         7030003500         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R462         7030003500         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R510         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) <td>ľ</td> <td></td> <td></td> <td></td>	ľ			
R456         7030003540         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R457         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         703000350         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R459         703000350         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R460         7030003580         S.RESISTOR         ERJ3GEYJ 173 V (15 kΩ)           R461         7030003520         S.RESISTOR         ERJ3GEYJ 471 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				` ,
R457         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R458         7030003560         S.RESISTOR         MCR10EZHJ 560 Ω (561)           R459         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R460         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				
R458         703000350         S.RESISTOR         MCR10EZHJ 560 Ω (561)           R459         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R460         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R501         703003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (1 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				` '
R459         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R460         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R462         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R513         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R460         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R461         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R462         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R513         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				` '
R462         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R501         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R508         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				` '
R501   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   S.RESISTOR   ERJ3GEYJ 102 V (1 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)   S.RESISTOR   ERJ3GEYJ 102 V (1 kΩ)   S.RESISTOR   ERJ3GEYJ 102 V (10 kΩ)   S.				
R502         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R513         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) <td></td> <td></td> <td></td> <td></td>				
R503         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R504         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R505         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R506         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ) <td></td> <td></td> <td></td> <td></td>				
R506         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R507         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)		1		ERJ3GEYJ 102 V (1 kΩ)
R508         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R509         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R510         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R511         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R511         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R512         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R522         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R513         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R522         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				ERJ3GEYJ 222 V (2.2 kΩ)
R514         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R527         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R515         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R521         7030003640         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				• /
R516         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R517         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R518         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R522         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R517   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R518   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R519   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R520   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R521   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R524   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R525   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R526   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R527   R528   R528   R528   R528   R528   R528     R529   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R529   7030003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R530   R530   R530003640   S.RESISTOR   ERJ3GEYJ 473 V (47 kΩ)     R540				
R519         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R522         7030003660         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				` '
R520         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R522         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R523         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R524         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R525         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R522     7030003560     S.RESISTOR     ERJ3GEYJ 103 V (10 kΩ)       R523     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R524     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R525     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R526     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R529     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R530     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R530     R530     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)				
R523       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R524       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R525       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R526       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R529       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R530       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R530       RESISTOR       ERJ3GEYJ 473 V (47 kΩ)				
R525       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R526       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R529       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R530       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         ERJ3GEYJ 473 V (47 kΩ)       ERJ3GEYJ 473 V (47 kΩ)	R523	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R526         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R529         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R530         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R529				
R530 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)		1		
				, , ,
S =Surface mount				

S.=Surface mount

#### [SUB-LOGIC BOARD]

#### ORDER RFF **DESCRIPTION** NO. NO. 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R531 EBJ3GEYJ 473 V (47 kΩ) R532 7030003640 S RESISTOR FBJ3GEYJ 102 V (1 kΩ) R533 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R534 7030003440 S.RESISTOR R535 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R536 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 k $\Omega$ ) R537 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R538 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R539 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R540 R541 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R542 7030003440 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R543 ERJ3GEYJ 102 V (1 kΩ) R544 7030003440 S.RESISTOR R545 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) R546 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R547 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R548 7030003440 S.RESISTOR R549 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R550 ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R551 ERJ3GEYJ 102 V (1 kΩ) R552 7030003440 S RESISTOR R553 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R554 ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R555 ERJ3GEYJ 102 V (1 kΩ) R556 7030003440 S.RESISTOR R557 7030003440 S.RESISTOR EBJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R558 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R559 7030003440 ERJ3GEYJ 102 V (1 kΩ) R560 7030003440 S.RESISTOR R561 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R562 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R563 R564 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R565 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R566 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R567 R568 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R569 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) B570 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R571 R572 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R573 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R574 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R601 S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ) R602 7030003540 7030004050 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) R603 S.RESISTOR ERJ3GEYJ 1R0 V (1 Ω) 7030004050 R604 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1 S.CERAMIC C1608 JB 1H 102K-T-A C2 4030006860 C3 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A S.CERAMIC C1608 JB 1H 102K-T-A C4 4030006860 C5 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 C<sub>6</sub> 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C7 S.CERAMIC C1608 CH 1H 120J-T-A C51 4030007020 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C52 CERAMIC DE0707 SL 150J 3KV 4010004710 C101 4310000920 250 MMW 473K MYLAR C102 S.ELECTROLYTIC ECEV1CA470SP C103 4510004640 4510004630 S.ELECTROLYTIC ECEV1CA100SR C104 ECEV1CA100SR 4510004630 S.ELECTROLYTIC C105 S.ELECTROLYTIC ECEV1CA100SR 4510004630 C151 C1608 JB 1H 391K-T-A 4030010240 S CERAMIC C201 4510004630 S.ELECTROLYTIC ECEV1CA100SR C202 ELECTROLYTIC 35 MV 100 HC 4510006030 C203 C1608 JB 1C 104KT-N S.CERAMIC C204 4030011600 S CERAMIC C1608 JB 1C 104KT-N C205 4030011600 C1608 JB 1C 104KT-N S.CERAMIC C206 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C207 4030011600 S CERAMIC C1608 JB 1C 104KT-N C208 4030011600 FLECTROLYTIC 35 MV 100 HC C209 4510006030 C1608 JB 1C 104KT-N 4030011600 S CERAMIC C251 S.CERAMIC C1608 JB 1C 104KT-N C252 4030011600 SCERAMIC C1608 JB 1H 472K-T-A C253 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C254 4030006880 C1608 JB 1H 472K-T-A SICERAMIC C301 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C302 4030006880 C1608 JB 1H 472K-T-A S.CERAMIC C303 4030006880 C1608 JB 1H 472K-T-A C304 4030006880 S.CERAMIC

#### [SUB-LOGIC BOARD]

SUB-LOGIC BOARD]			
REF	ORDER		DESCRIPTION
NO.	NO.		
C305	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C351	4030011600		C1608 JB 1C 104KT-N
C401	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR
C501	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C502	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C503	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C504	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C505	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C506	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C507	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C508	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C509	4030006880		C1608 JB 1H 472K-T-A
C510	40300000000		C1608 JB 1C 104KT-N
	4030011600		C1608 JB 1C 104KT-N
C511			C1608 JB 1H 102K-T-A
C512	4030006860	l	
C513	4030006860		C1608 JB 1H 102K-T-A
C514	4030006880		C1608 JB 1H 472K-T-A
C515	4030006850		C1608 JB 1H 471K-T-A
C601	4030011280	S.CERAMIC	C1608 CH 1H 271J-T-A
C602	4510006240	S.ELECTROLYTIC	ECEV1CA221P
C603	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C604	4510004590	ELECTROLYTIC	16 MV 470 HC
C605	4030011600		C1608 JB 1C 104KT-N
C606	4510006240		ECEV1CA221P
C607		S.CERAMIC	C1608 JB 1C 104KT-N
C701	4030011600		C1608 JB 1C 104KT-N
C702	4510004630		ECEV1CA100SR
C702	4510004630		ECEV1CA100SR
	ł		
C704	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	=======================================	0.50	OL COOLID O TIL
D\$351	5040002110		CL-200HR-C-TU
DS352	5040002080	1	CL-200YG-C-TU
DS353	5040002080	1	CL-200YG-C-TU
DS354	5040002080	S.LED	CL-200YG-C-TU
DS355	5040002080	S.LED	CL-200YG-C-TU
D\$401	5040002080	S.LED	CL-200YG-C-TU
DS402	5040002080	S.LED	CL-200YG-C-TU
DS403	5040002080	S.LED	CL-200YG-C-TU
DS404	5040002080	S.LED	CL-200YG-C-TU
S351	2260001890	s.switch	SKQDPA
\$352	2260001890		SKQDPA
S353	2260001890	l .	SKQDPA
S353	2260001890	ł .	SKQDPA
		<b>i</b>	SKQDPA
S355	2260001890		
S356	2260001890	S.SWITCH	SKQDPA
			D04D 511 0
J1	6510003400		B04B-EH-S
J2	6510019970	1	52808-1090
J101	6510020030		QZ-19-A3MYL
J502	6510019980	1	52808-1690
J503	6510019980	S.CONNECTOR	52808-1690
J504	6510019990	S.CONNECTOR	52808-2290
J505	6510019990		52808-2290
J506	6510019970		52808-1090
J507	6510019970		52808-1090
J508	6510019970		52808-1090
J509	6510019970		BBH-1
J510	6510008370	1	52808-1090
	6510019970	I	B03B-EH-S
J511 J512			B04B-EH-S
J3 12	6510003400	CONNECTOR	DO+D-CI I-O
	-		
DTEO4	2020000440	LITHILINA	CB2032
BT501	3020000110	LITHIUM	CR2032
ED4	001001005	DOD	D 4062E
EP1	0910048256	PCB	B 4863F
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	1	I	

S.=Surface mount

#### [TEN-KEY BOARD]

REF	ORDER		DESCRIPTION
NO.	NO.	C TRANSISTOR	
Q1 Q2 Q3 Q4 Q5	1590002310 1590002310 1590002310 1590002310 1590002310	S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR	DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL DTC114EE TL
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12	7030003540 7030003480 7030003520 7030003580 7030003540 7030003520 7030003530 7030003530 7030003440 7030003440	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ) ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 153 V (15 kΩ) ERJ3GEYJ 682 V (6.8 kΩ) ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 568 V (680 Ω) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
C1 C2	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
DS1 DS2 DS3 DS4 DS5	5040002110 5040002110 5040002220 5040002220 5040002220	S.LED S.LED S.LED S.LED S.LED	CL-200HR-C-TU CL-200HR-C-TU CL-220YG-C-TU CL-220YG-C-TU CL-220YG-C-TU
S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S21 S22 S23 S24 S25 S25 S26 S27 S28 S27 S28 S28 S29 S29 S21 S21 S21 S21 S21 S21 S21 S21 S21 S21	2260001890 2260001890	S.SWITCH	SKQDPA
J1 J2	6510019980 6510019990	S.CONNECTOR S.CONNECTOR	52808-1690 52808-2290
EP1	0910048283	PCB	B 4866C

### [MODE BOARD]

REF NO.	ORDER NO.		DESCRIPTION
		0.05010700	ED ISOEVI COS VIOS LOV
R1	7030003540		ERJ3GEYJ 682 V (6.8 kΩ)
R2	7030003480		ERJ3GEYJ 222 V (2.2 kΩ)
R3 R4	7030003520 7030003580		ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 153 V (15 kΩ)
R5	7030003580		ERJ3GEYJ 682 V (6.8 kΩ)
R6	7030003540	I '	ERJ3GE13 662 V (6.6 KΩ)
R7	7030003480		ERJ3GEYJ 472 V (4.7 kΩ)
"/	7030003520	3.NE31310N	Endode 10 4/2 V (4./ K32)
C1	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C2	4030011600		C1608 JB 1C 104KT-N
02	4000011000	0.0217/////	01000 05 70 1041(11)
S1	2260001890	S.SWITCH	SKQDPA
S2	2260001890	s.switch	SKQDPA
S3	2260001890	s.switch	SKQDPA
S4	2260001890	s.switch	SKQDPA
S5	2260001890	s.switch	SKQDPA
S6	2260001890	S.SWITCH	SKQDPA
S7	2260001890	S.SWITCH	SKQDPA
S8	2260001890	S.SWITCH	SKQDPA
S9	2260001890	S.SWITCH	SKQDPA
S10	2260001890		SKQDPA
S11	2260001890		SKQDPA
S12	2260001890		SKQDPA
S13	2260001890	}	SKQDPA
S14	2260001890		SKQDPA
S15	2260001890	t .	SKQDPA
S16	2260001890		SKQDPA
S17	2260001890		SKQDPA
S18	2260001890	S.SWITCH	SKQDPA
J1	6510019980	S.CONNECTOR	52808-1690
EP1	0910048262	РСВ	B 4864B

#### [PBT BOARD]

REF NO.	ORDER NO.		DESCRIPTION
R1 R2 R3 R4 R5 R6	7210002960 7030003640 7030003640 7030003640	VARIABLE VARIABLE S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	RV-314 RV-313 ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)
C1 C2 C3 C4	4030006880	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
J1	6510019970	S.CONNECTOR	52808-1090
EP1	0910048292	РСВ	B 4868B

### [RIT BOARD]

REF NO.	ORDER NO.		DESCRIPTION
S1	2250000340	ENCODER	EVQ-VCJF0324B
J1	6510019970	S.CONNECTOR	52808-1090
EP1	0910048322	РСВ	B 4871B

S.=Surface mount

## [PHONE BOARD]

REF NO.	ORDER NO.		DESCRIPTION
L1	6200003950	S.COIL	HF50ACC 322513-T
L2	6200003950	S.COIL	HF50ACC 322513-T
R1	7030006070	S.RESISTOR	ERJ12YJ101H (100 Ω)
R2	7030006070	S.RESISTOR	ERJ12YJ101H (100 Ω)
C1	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C2	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C3	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
J1	6510019970	S.CONNECTOR	52808-1090
J2	6450001530	CONNECTOR	HLJ5815-01-4030
EP1	0910048303	PCB	B 4869C

## [KEY BOARD]

REF NO.	ORDER NO.		DESCRIPTION
C1		S.CERAMIC	C1608 JB 1H 472K-T-A
C2		S.CERAMIC	C1608 JB 1H 472K-T-A
J1		S.CONNECTOR	52808-1090
J2		CONNECTOR	HLJ7000-01-3010
EP1	0910048312	РСВ	B 4870B

## [MIC BOARD]

REF NO.	ORDER NO.		DESCRIPTION
NO.	NO.		
L1	6200003260	S.COIL	NL 322522T-101J
L3	6200003260	S.COIL	NL 322522T-101J
L4	6200003260	S.COIL	NL 322522T-101J
L6	6200003260	S.COIL	NL 322522T-101J
C1	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C2	4030006880	1	C1608 JB 1H 472K-T-A
C3	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C4	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C5	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C6	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C7	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
J <sub>1</sub>	6510000190	CONNECTOR	FM214-8SS(P)
J2	6510019970	S.CONNECTOR	, ,
EP1	0910048333	PCB	B 4872C

### [FRONT UNIT]

REF NO.	ORDER NO.		DESCRIPTION	
DS1	5030001420	LCD	DG041Z-5DC	
W1 W2 W3 W4 W5	8900006980 8900006980 8900006980 8900006990	CABLE CABLE CABLE	OPC-682 OPC-682 OPC-682 OPC-683 OPC-683	

## [FRONT UNIT]

REF NO.	ORDER NO.		DESCRIPTION
W6	8900007000		OPC-684
W7	8900007000	CABLE	OPC-684
W8	8900007010	CABLE	OPC-685
ME1	5510000410	METER	ME-33
EP1	6910011090	SENSOR UNIT	RMS20-250-201-P
EP2	6450001230	E.OTHER	HLJ0999-01-480
EP3	6450001230	E.OTHER	HLJ0999-01-480

### [RF UNIT]

REF NO.         ORDER NO.         DESCRIPTION           IC1 1130007700 1140000130 1C21 1130007700 1140000130 1C21 1130007700 1C21 1130007700 1C21 1110003970 1C371 1110003970 1C371 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110003970 1C941 1110000980 1C041 1C041	[RF UNIT]			
160000130   S.IC   TDe2783AF (TP1)   TD62783AF (TP1)   TD62783A		1 1		DESCRIPTION
1021		!		
1661		1		` ,
IC371				
C801				, ,
IC901				•
C941				•
C961		1		
Q21         1590002310         S.TRANSISTOR         DTC114EE TL           Q22         1590002310         S.TRANSISTOR         DTC114EE TL           Q24         1590002310         S.TRANSISTOR         DTC114EE TL           Q24         1590002310         S.TRANSISTOR         DTC114EE TL           Q61         1590002310         S.TRANSISTOR         DTC114EE TL           Q61         1590001870         S.TRANSISTOR         DTC114EE TL           Q61         1590001870         S.TRANSISTOR         DTC114EE TL           Q81         1580000620         S.FET         3SK131-T2 MAS           Q101         1530003150         S.TRANSISTOR         2SC4673D-TD           Q141         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q201         1530003150         S.TRANSISTOR         2SC4693D-TD           Q241         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q261         1560000660         S.FET         2SK1740-TA           Q381         1560000560 <td></td> <td></td> <td></td> <td></td>				
Q22         1590002310         S.TRANSISTOR DTC114EE TL           Q24         1590002310         S.TRANSISTOR DTC114EE TL           Q34         1590002310         S.TRANSISTOR DTC114EE TL           Q61         1590002310         S.TRANSISTOR DTC114EE TL           Q62         1590001870         S.TRANSISTOR DTA114EE TL           Q61         1580000620         S.FET         SK131-T2 MAS           Q101         1530002060         S.FET         SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q161         1560000720         S.FET         2SK1740-TA           Q161         1560000720         S.FET         2SK1740-TA           Q161         1560000720         S.FET         2SK1740-TA           Q21         1530003150         S.TRANSISTOR         2SC4081 T107 R           Q241         1560000640         S.FET         2SK1740-TA           Q242         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q342         1560000720         S.FET         2SK2171-4-TD           Q342 <td< td=""><td>10901</td><td>1110000960</td><td>5.10</td><td>1401VI4-3501VI(11)</td></td<>	10901	1110000960	5.10	1401VI4-3501VI(11)
1590002310	Q21	1590002310		
1530002060	Q22	1590002310		
Q61         1590002310         S.TRANSISTOR         DTC114EE TL           Q81         1590001870         S.TRANSISTOR         DTA114EE TL           Q81         1580000620         S.FET         3K131-T2 MAS           Q101         1530002060         S.TRANSISTOR         2SC4673D-TD           Q141         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q162         1560000640         S.FET         2SK1740-TA           Q181         1560000640         S.FET         2SK1740-TA           Q201         1530002060         S.TRANSISTOR         2SC4673D-TD           Q241         1530002060         S.TRANSISTOR         2SC4673D-TD           Q241         1530002060         S.TRANSISTOR         2SC4673D-TD           Q241         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q261         1560000660         S.FET         2SK1740-TA           Q381         1560000720         S.FET         2SK2171-4-TD           Q331         1560000720         S.FET         2SK22171-4-TD           Q381         1560000540         S		1 1		
Q62         1590001870         S.TRANSISTOR         DTA114EE TL           Q81         1580000620         S.FET         3SK131-T2 MAS           Q101         1530003150         S.TRANSISTOR         2SC4673D-TD           Q141         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q181         1560000720         S.FET         2SK2171-4-TD           Q241         1530002060         S.TRANSISTOR         2SC4673D-TD           Q241         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q331         1560000560         S.FET         2SK2882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000560         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET		1		
Q81         1580000620         S.FET         3SK131-T2 MAS           Q101         1530003150         S.TRANSISTOR         2SC4673D-TD           Q141         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q181         1560000720         S.FET         2SK1740-TA           Q201         1530003150         S.TRANSISTOR         2SC4673D-TD           Q241         1530002060         S.FET         2SK1740-TA           Q242         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q361         1560000720         S.FET         2SK81740-TA           Q361         1560000720         S.FET         2SK82-GR (TE85L)           Q341         1560000720         S.FET         2SK82171-4-TD           Q342         1560000540         S.FET         3SK131-T2-LA           Q382         1580002310         S.TRANSISTOR         DTC114EE TL           Q761         1590022310         S.TRANSISTOR <td></td> <td>1 1</td> <td></td> <td></td>		1 1		
Q101         1530003150         S.TRANSISTOR         2SC4673D-TD           Q141         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK1740-TA           Q162         1560000640         S.FET         2SK1740-TA           Q161         1560000640         S.FET         2SK17140-TA           Q181         1560000640         S.FET         2SK2171-4-TD           Q201         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q241         1560000640         S.FET         2SK4740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q331         1560000720         S.FET         2SK2882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q390         1590002310         S.TRANSISTOR <td></td> <td></td> <td></td> <td></td>				
Q141         1560000640         S.FET         2SK1740-TA           Q142         1560000640         S.FET         2SC4081 T107 R           Q161         1560000640         S.FET         2SK1740-TA           Q162         1560000640         S.FET         2SK1740-TA           Q181         1560000720         S.FET         2SK2171-4-TD           Q241         1530002600         S.TRANSISTOR         2SC4673D-TD           Q242         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q261         1560000720         S.FET         2SK1740-TA           Q262         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK282-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         15800002310         S.FET         3SK131-T2-LA           Q381         15800002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1560000560         S.FET<	1			
Q142         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q161         1560000640         S.FET         2SK1740-TA           Q181         1560000720         S.FET         2SK1740-TA           Q201         1530003150         S.FET         2SK2171-4-TD           Q241         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q242         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560 <td< td=""><td></td><td>1</td><td></td><td></td></td<>		1		
Q161         1560000640         S.FET         2SK1740-TA           Q162         1560000720         S.FET         2SK1740-TA           Q21         1530003150         S.FRANSISTOR         2SC4673D-TD           Q241         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q242         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q261         1560000720         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q381         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1560000560         S.FET         2SK882-GR (TE85L)           Q942         1560000560		1		
Q162         1560000640         S.FET         2SK1740-TA           Q181         1560000720         S.FET         2SK2171-4-TD           Q201         1530003150         S.TRANSISTOR         2SC4673D-TD           Q241         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q242         1560000640         S.FET         2SK1740-TA           Q261         1560000720         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q381         1580000540         S.FET         3SK131-T2-LA           Q381         1580002310         S.TRANSISTOR         DTC114EE TL           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1560000560		1		
156000720		1		
Q201         1530003150         S.TRANSISTOR         2SC4673D-TD           Q241         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q261         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q261         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK2171-4-TD           Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1560000560         S.FET         2SK882-GR (TE85L)           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1750000520         S.DIODE         DAN222TL           D14         1750000520				
Q241         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q242         1560000640         S.FET         2SK1740-TA           Q261         1560000640         S.FET         2SK1740-TA           Q261         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK282-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q381         1580000540         S.FET         3SK131-T2-LA           Q381         1580000540         S.FET         3SK131-T2-LA           Q381         1590002310         S.TRANSISTOR         DTC114EE TL           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1750000520         S.DIODE         DAN222TL           D141         1750000520         S.DIODE         1SV265-TL           D142         1750000450				
Q261         1560000640         S.FET         2SK1740-TA           Q262         1560000640         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q301         1560000720         S.FET         2SK882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         2SK2171-4-TD           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q341         1560000560         S.FET         2SK882-GR (TE85L)           Q343         1560000560         S.FET         2SK882-GR (TE85L)           Q343         1560000560         S.PET         2SK882-GR (TE85L)           Q341         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         15V265-TL           D241         1750000450         S.DIODE         15V265-TL           D241         1750000450         S.DIODE         15V265-TL           D301         1790000450 <t< td=""><td></td><td></td><td></td><td>2SC4081 T107 R</td></t<>				2SC4081 T107 R
Q262         1560000640         S.FET         2SK1740-TA           Q281         1560000720         S.FET         2SK2171-4-TD           Q341         1560000720         S.FET         2SK882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         158000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1750000520         S.DIODE         DAN222TL           D141         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D141         1750000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         MA862(TX)           D241         1750000450 <t< td=""><td></td><td></td><td>S.FET</td><td>2SK1740-TA</td></t<>			S.FET	2SK1740-TA
Q281         1560000720         S.FET         2SK2171-4-TD           Q301         1560000560         S.FET         2SK882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.DIODE         DAN222TL           Q943         1750000520         S.DIODE         DAN222TL           D141         1750000520         S.DIODE         15V265-TL           D142         1750000450         S.DIODE         15V265-TL           D143         1750000450         S.DIODE         15V265-TL           D241         1750000450         S.DIODE         15V265-TL           D242         1750000450         S.	Q261	1560000640	S.FET	2SK1740-TA
Q301         1560000560         S.FET         2SK882-GR (TE85L)           Q341         1560000720         S.FET         2SK2171-4-TD           Q381         1560000540         S.FET         2SK3171-4-TD           Q382         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1750000520         S.DIODE         DAN222TL           Q943         1750000520         S.DIODE         DAN222TL           Q944         1750000520         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D301         1790000450         <	Q262	1560000640	S.FET	
Q341         1560000720         S.FET         2SK2171-4-TD           Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.PET         2SK882-GR (TE85L)           Q943         1750000520         S.DIODE         DAN222TL           Q943         1750000520         S.DIODE         DAN222TL           Q943         1750000520         S.DIODE         1SV265-TL           Q941         1750000450         S.DIODE         1SV265-TL           Q941         1750000450         S.DIODE         1SV265-TL           Q941         1750000450         S.DIODE         1SV265-TL           Q942         1750000450         S.DIODE         MA862(TX)           Q943         1790000450         S.D	Q281	1560000720		
Q342         1560000720         S.FET         2SK2171-4-TD           Q381         1580000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.PET         2SK882-GR (TE85L)           Q944         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000440         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.D				, ,
Q381         158000540         S.FET         3SK131-T2-LA           Q382         1580000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000520         S.DIODE         DAN222TL           Q22         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D301         179000450         S.DIODE         HSB8WSTR           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE				
Q382         158000540         S.FET         3SK131-T2-LA           Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D21         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE<		1		
Q701         1590002310         S.TRANSISTOR         DTC114EE TL           Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D21         1750000450         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV265-TL           D143         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D301         1750000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE<	1	1		
Q702         1590002310         S.TRANSISTOR         DTC114EE TL           Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D22         1750000450         S.DIODE         DAN222TL           D142         1750000450         S.DIODE         1SV265-TL           D143         1750000440         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000450         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1750000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE		1		
Q781         1590002310         S.TRANSISTOR         DTC114EE TL           Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D22         1750000450         S.DIODE         1SV265-TL           D141         1750000440         S.DIODE         1SV265-TL           D143         1750000450         S.DIODE         1SV265-TL           D221         1790000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000450         S.DIODE         1SV265-TL           D301         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA77(TW)           D401         1790000450         S.DIODE         <	1			
Q942         1560000560         S.FET         2SK882-GR (TE85L)           Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000450         S.DIODE         1SV263-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         1SV263-TL           D242         1750000450         S.DIODE         1SV265-TL           D301         179000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000450         S.DIODE         MA77(TW)           D401         1790000450         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862	1			
Q943         1560000560         S.FET         2SK882-GR (TE85L)           D21         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000440         S.DIODE         1SV263-TL           D143         1750000450         S.DIODE         1SV265-TL           D221         1790000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000440         S.DIODE         1SV263-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000450         S.DIODE         MA77(TW)           D401         1790000450         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)<		1		
D22         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000440         S.DIODE         1SV265-TL           D143         1750000450         S.DIODE         1SV265-TL           D221         1790000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000450         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         MA862(TX)           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)		I i		, ,
D22         1750000520         S.DIODE         DAN222TL           D141         1750000450         S.DIODE         1SV265-TL           D142         1750000440         S.DIODE         1SV265-TL           D143         1750000450         S.DIODE         1SV265-TL           D221         1790000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000450         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         MA862(TX)           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)	D0.	1750000500	c DIODE	DANGOOTI
D141         1750000450         S.DIODE         1SV265-TL           D142         1750000440         S.DIODE         1SV263-TL           D143         1750000450         S.DIODE         1SV265-TL           D241         1750000450         S.DIODE         MA862(TX)           D242         1750000450         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         MA862(TX)           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)				
D142         1750000440         S.DIODE         1SV263-TL           D143         1750000450         S.DIODE         1SV265-TL           D221         1790000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000440         S.DIODE         1SV263-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D381         1790000450         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)				
D143         175000450         S.DIODE         1SV265-TL           D221         179000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000450         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         HSB88WSTR           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)				
D221         179000450         S.DIODE         MA862(TX)           D241         1750000450         S.DIODE         1SV265-TL           D242         1750000440         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         MA862(TX)           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)				
D241         1750000450         S.DIODE         1SV265-TL           D242         1750000440         S.DIODE         1SV265-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MS62(TX)				
D242         1750000440         S.DIODE         1SV263-TL           D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         HSB8WSTR           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)				
D243         1750000450         S.DIODE         1SV265-TL           D301         1790000450         S.DIODE         MA862(TX)           D302         1750000430         S.DIODE         HSB88WSTR           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D381         1790000450         S.DIODE         MA862(TX)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         MA862(TX)           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         MA862(TX)		1		
D301         179000450         S.DIODE         MA862(TX)           D302         175000430         S.DIODE         HSB88WSTR           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D302         1750000430         S.DIODE         HSB88WSTR           D321         1790000450         S.DIODE         MA862(TX)           D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D341         1790000450         S.DIODE         MA862(TX)           D342         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL	1	1750000430		
D342         1790000450         S.DIODE         MA862(TX)           D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL	D321			
D381         1790000620         S.DIODE         MA77(TW)           D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D401         1790000620         S.DIODE         MA77(TW)           D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D441         1790000450         S.DIODE         MA862(TX)           D442         1750000450         S.DIODE         1SV265-TL           D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D442     1750000450     S.DIODE     1SV265-TL       D481     1790000450     S.DIODE     MA862(TX)       D482     1750000450     S.DIODE     1SV265-TL				
D481         1790000450         S.DIODE         MA862(TX)           D482         1750000450         S.DIODE         1SV265-TL				
D482 1750000450 S.DIODE 1SV265-TL				
		1		0.004

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	[RE ONIT]				
REF NO.	ORDER NO.		DESCRIPTION		
D521	1790000450	S.DIODE	MA862(TX)		
D522	1750000450	S.DIODE	1SV265-TL		
D561	1790000450	S.DIODE	MA862(TX)		
D562	1750000450	S.DIODE	1SV265-TL		
D601	1790000450	S.DIODE	MA862(TX)		
D602	1750000450	S.DIODE	1SV265-TL		
D641	1790000620	S.DIODE	MA77(TW)		
D642	1750000440		1SV263-TL		
D701	1750000450	S.DIODE	1SV265-TL		
D702	1790000620		MA77(TW)		
D761 D781	1750000440	S.DIODE	1SV263-TL DAN222TL		
D/81	1750000520 1790000450		MA862(TX)		
D961	1750000520		DAN222TL		
D962	1750000520	t .	DAN222TL		
D981	1750000520	[	DAN222TL		
D982	1710000050	DIODE	1SS53		
D983	1710000050	DIODE	1SS53		
D984	1710000050	DIODE	1SS53		
D985	1710000050	DIODE	1SS53		
FI81	2010001010	FILTER	69M15B (FL-120)		
FI942	2020001320	CERAMIC	CFJ455K8		
L1	6180000990	COIL	LAL 04NA 101K		
L61	6180001220	S.COIL	LAL 04NA 100K NL 322522T-100J		
L62 L81	6200001830		NL 322522T-100J NL 322522T-100J		
L82	6150004250		LS-471A (C-14922)		
L83	6150004280		LS-484B (C-14927)		
L84	6150004950	COIL	LS-521		
L101	6200003000	S.COIL	NL 322522T-R22J-3		
L118	6200003260		NL 322522T-101J		
L121	6200003020	S.COIL	NL 322522T-R33J-3		
L122	6200001830	S.COIL	NL 322522T-100J		
L124 L125	6200003430 6200003420	S.COIL S.COIL	NL 322522T-R10J NL 322522T-R15J-3		
L126	6200003420		NL 322522T-R10J		
L141	6200001830	S.COIL	NL 322522T-100J		
L142	6200001830	S.COIL	NL 322522T-100J		
L143	6200001830	S.COIL	NL 322522T-100J		
L144	6200001830		NL 322522T-100J		
L145	6200001830	S.COIL	NL 322522T-100J		
L146	6200001830		NL 322522T-100J		
L161	6150002980		LS-309		
L162 L163	6200001830	S.COIL COIL	NL 322522T-100J LR-362		
L164		S.COIL	NL 322522T-101J		
L181	6180000990		LAL 04NA 101K		
L182	6200003040		NL 322522T-R68J-3		
L183	6200005500	S.COIL	NL 322522T-471J		
L184	6200003000	S.COIL	NL 322522T-R22J-3		
L185	6200003000	S.COIL	NL 322522T-R22J-3		
L186	6200003000	S.COIL	NL 322522T-R22J-3		
L187	6140001340	COIL	LR-163		
L188	6200005500	S.COIL	NL 322522T-471J		
L201 L202	6140000630	COIL S.COIL	LR-85A NL 322522T-R22J-3		
L202	6200003430	S.COIL	NL 322522T-R22J-3 NL 322522T-R10J		
L222	6200003430	S.COIL	NL 322522T-R15J-3		
L223	6200003430	S.COIL	NL 322522T-R10J		
L224	6200003020	S.COIL	NL 322522T-R33J-3		
L225	6200001830	S.COIL	NL 322522T-100J		
L241	6200001830	S.COIL	NL 322522T-100J		
L242	6200001830	S.COIL	NL 322522T-100J		
L243	6200001830	S.COIL	NL 322522T-100J		
L244	6200001830	S.COIL	NL 322522T-100J NL 322522T-100J		
L245 L246	6200001830 6200001830	S.COIL S.COIL	NL 322522T-100J NL 322522T-100J		
L246	6200001830	S.COIL	NL 322522T-100J		
L262	6150002980	COIL	LS-309		
L264	6140003250	COIL	LR-362		
L265	6200003260	S.COIL	NL 322522T-101J		
L266	6180000990	COIL	LAL 04NA 101K		
L281	6200003040	S.COIL	NL 322522T-R68J-3		
L282 L283	6200005500	S.COIL S.COIL	NL 322522T-471J NL 322522T-R22J-3		
L284	6200003000	S.COIL	NL 322522T-R22J-3		
L285	6200003000	S.COIL	NL 322522T-R22J-3		
L301	6140002810	S.COIL	LR-317		

[RF UNIT]			
REF NO.	ORDER NO.		DESCRIPTION
L302	6140002810	S.COIL	LR-317
L303	6150004280	COIL	LS-484B (C-14927)
L304	6150004280	COIL	LS-484B (C-14927)
L306	6200003040	S.COIL	NL 322522T-R68J-3
L307 L308	6150000990 6200003040	COIL S.COIL	LS-114 NL 322522T-R68J-3
L309	6200003040	S.COIL	NL 322522T-R000-3 NL 322522T-R10J
L310	6200003430	S.COIL	NL 322522T-R10J
L321	6200003260	S.COIL	NL 322522T-101J
L322	6200003260	S.COIL	NL 322522T-101J
L323	6200003260	S.COIL S.COIL	NL 322522T-101J
L341 L342	6140001540	COIL	NL 322522T-101J LR-169
L343	6140000640	COIL	LR-86
L344	6200003060	S.COIL	NL 322522T-1R2J-3
L362	6200003260	S.COIL	NL 322522T-101J
L371	6200003260	S.COIL	NL 322522T-101J
L372 L384	6200003260 6140001600	S.COIL COIL	NL 322522T-101J LR-178
L385	6150002980	COIL	LS-309
L386	6200003260	S.COIL	NL 322522T-101J
L387	6140002220	COIL	LR-270
L390	6200003260	S.COIL	NL 322522T-101J
L404 L421	6200005500 6200005500	S.COIL	NL 322522T-471J NL 322522T-471J
L421 L422	6200003110	S.COIL S.COIL	NL 322522T-47TJ NL 322522T-6R8J
L423	6200003110	S.COIL	NL 322522T-0F100
L441	6200005500	S.COIL	NL 322522T-471J
L442	6200003100	S.COIL	NL 322522T-3R9J-3
L443	6200003090	S.COIL	NL 322522T-2R7J-3
L444 L461	6200005500 6200000500	S.COIL S.COIL	NL 322522T-471J MLF3216A 4R7M-T
L462	6200000490	S.COIL	MLF3216A 3R9M-T
L463	6200003090	S.COIL	NL 322522T-2R7J-3
L464	6200002990	S.COIL	NL 322522T-2R2J-3
L465	6200005500	S.COIL	NL 322522T-471J
L481 L482	6200003100 6200003090	S.COIL S.COIL	NL 322522T-3R9J-3 NL 322522T-2R7J-3
L483	6200003090	S.COIL	NL 322522T-2R173-3
L484	6200003070	S.COIL	NL 322522T-1R5J-3
L485	6200005500	S.COIL	NL 322522T-471J
L501	6200003070	S.COIL	NL 322522T-1R5J-3
L502 L503	6200003070 6200003070	S.COIL S.COIL	NL 322522T-1R5J-3 NL 322522T-1R5J-3
L504	6200003060	S.COIL	NL 322522T-1133-3
L505	6200003260	S.COIL	NL 322522T-101J
L521	6200003070	S.COIL	NL 322522T-1R5J-3
L522	6200003060	S.COIL	NL 322522T-1R2J-3
L523 L524	6200003060 6200003330	S.COIL S.COIL	NL 322522T-1R2J-3 NL 322522T-1R0J-3
L525	6200003330	S.COIL	NL 322522T-1100-3
L541	6200003080	S.COIL	NL 322522T-1R8J-3
L542	6200003330	S.COIL	NL 322522T-1R0J-3
L543	6200003330	S.COIL	NL 322522T-1R0J-3
L544	6200003060 6200003330	S.COIL S.COIL	NL 322522T-1R2J-3 NL 322522T-1R0J-3
L561 L562	6200003330	S.COIL S.COIL	NL 3225221-1H0J-3 NL 322522T-R68J-3
L563	6200003040	S.COIL	NL 322522T-R56J-3
L564	6200003250	S.COIL	NL 322522T-R39J-3
L565	6200003260	S.COIL	NL 322522T-101J
L581 L582	6200003030 6200003030	S.COIL S.COIL	NL 322522T-R47J-3 NL 322522T-R47J-3
L582 L583	6200003030	S.COIL	NL 322522T-R47J-3 NL 322522T-R39J-3
L584	6200003230	S.COIL	NL 322522T-R33J-3
L585	6200003260	S.COIL	NL 322522T-101J
L601	6200003250	S.COIL	NL 322522T-R39J-3
L602	6200003020	S.COIL	NL 322522T-R33J-3
L603 L604	6200003010 6200003020	S.COIL S.COIL	NL 322522T-R27J-3 NL 322522T-R33J-3
L605	6200003020	S.COIL	NL 322522T-101J
L621	6200003420	S.COIL	NL 322522T-R15J-3
L622	6200003420	S.COIL	NL 322522T-R15J-3
L623	6200003420	S.COIL	NL 322522T-R15J-3 NL 322522T-R15J-3
L624 L625	6200003420 6200003420	S.COIL S.COIL	NL 322522T-R15J-3 NL 322522T-R15J-3
L626	6200003420	S.COIL	NL 322522T-1100J
L641	6200001830	S.COIL	NL 322522T-100J
L642	6200003020	S.COIL	NL 322522T-R33J-3
L643	6200003420	S.COIL	NL 322522T-R15J-3
L645 L701	6200001830 6200000510	S.COIL S.COIL	NL 322522T-100J MLF3216E 5R6M-T
L701	6200005500	S.COIL	NL 322522T-471J
			S.=Surface mount

#### ORDER REF DESCRIPTION NO NO. L703 6200000500 S.COIL MLF3216A 4R7M-T 6200003240 NL 322522T-221J L704 S.COIL 1.705 6200003240 S.COIL NL 322522T-221J 6200003240 S COIL NL 322522T-221J 1761 NL 322522T-082J L781 6200003450 S.COIL NL 322522T-R12J-3 1782 | 6200001470 | S.COIL L802 6200001710 S.COIL NL 322522T-220.1 L901 | 6200003260 | S.COIL NL 322522T-101J 1 921 6150002420 COIL LS-253 NL 322522T-220J L922 6200001710 S.COIL L923 6200001710 S.COIL NL 322522T-220J 1941 6150004280 COIL LS-484B L942 6150004280 COIL LS-484B L943 NL 322522T-2R2J-3 6200002990 S.COIL L944 6200001830 S.COIL NL 322522T-100J L945 6200001830 S.COIL NL 322522T-100J 6150004950 L946 COIL LS-521 L1001 6200003450 S.COIL NL 322522T-082J L1002 6200001470 S.COIL NL 322522T-R12J-3 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R<sub>1</sub> R2 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R3 R4 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R5 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R6 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R7 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R8 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R25 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R26 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R27 7030003350 S.RESISTOR ERJ3GEYJ 181 V (180 Ω) R28 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R29 R30 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R31 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R32 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R33 7030003480 R34 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R35 7030003560 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R36 ERJ3GEYJ 101 V (100 Ω) 7030003320 S.RESISTOR R61 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R62 7030003200 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R63 R64 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R65 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R66 7030003200 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R67 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R68 7030003200 R69 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R70 7030003200 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) **R71** S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R72 7030003200 R73 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 100 V (10 Ω) **R74** 7030003200 S.RESISTOR 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) B75 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R76 7030003200 THERMISTOR ERT-D2ZGL 251S R81 7510000230 THERMISTOR ERT-D2ZGL 251S R82 7510000230 7030003390 S.RESISTOR ERJ3GEYJ 391 V (390 Ω) R83 ERJ3GEYJ 222 V (2.2 kΩ) S.RESISTOR R84 7030003480 S.RESISTOR R85 7030003480 ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 221 V (220 Ω) R86 7030003360 S.RESISTOR ERJ3GEYJ 474 V (470 kΩ) R87 7030003760 S.RESISTOR ERJ3GEYJ 470 V (47 Ω) R88 7030003280 S.RESISTOR R89 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) R90 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R91 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R92 7030003200 SPESISTOR ERJ3GEYJ 100 V (10 Ω) R101 7030003300 S.RESISTOR ERJ3GEYJ 680 V (68 Ω) 7030003420 S.RESISTOR ERJ3GEYJ 681 V (680 Ω) R102 7030003530 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R103 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R104 R121 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R122 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R141 7030003390 S.RESISTOR ERJ3GEYJ 391 V (390 Ω) R142 R143 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) R144 7030003450 S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ) R145

7030003520

R146

S.RESISTOR

ERJ3GEYJ 472 V (4.7 kΩ)

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REF	ORDER		DESCRIPTION	
NO.	NO.	C DECICEOR	ED 100EV 1400 V (4 kg)	
R147 R161	7030003440 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R162	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R163	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R164	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω) RV-148	
R165 R166	7310002720 7030003410	S.TRIMMER S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)	
R167	7030003410	S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)	
R181	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R182 R183	7030003350	S.RESISTOR S.RESISTOR	ERJ3GEYJ 181 V (180 Ω) ERJ12YJ471H (470 Ω)	
R201	7030006260	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)	
R202	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)	
R203	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)	
R204 R205	7030003420 7030003530	S.RESISTOR S.RESISTOR	ERJ3GEYJ 681 V (680 Ω) ERJ3GEYJ 562 V (5.6 kΩ)	
R206	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	
R223	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R224 R225	7030003320 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 102 V (1 kΩ)	
R226	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R227	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R228	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R241 R242	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R243	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R244	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)	
R245	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R246 R261	7030003440 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R262	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R263	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R264	7310002720	S.TRIMMER	RV-148 ERJ3GEYJ 561 V (560 Ω)	
R265 R266	7030003410 7030003410	S.RESISTOR S.RESISTOR	ERJ3GEYJ 561 V (560 Ω)	
R267	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	
R301	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
R302 R303	7030003230	S.RESISTOR S.RESISTOR	ERJ3GEYJ 180 V (18 Ω) ERJ3GEYJ 271 V (270 Ω)	
R304	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	
R305	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
R306 R307	7030003480 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)	
R308	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)	
R309	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	
R310 R311	7030003320 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 470 V (47 Ω)	
R321	7030003200	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R322	7030006260	S.RESISTOR	ERJ12YJ471H (470 Ω)	
R323 R325	7030006260	S.RESISTOR S.RESISTOR	ERJ12YJ471H (470 Ω) ERJ3GEYJ 101 V (100 Ω)	
R341	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R342	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R343 R344	7030003320 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω)	
R345	7030003320	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
R346	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
R361	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω)	
R369 R371	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R372	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R373	7030003230	S.RESISTOR S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)	
R374 R381	7030003370 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 470 V (47 Ω)	
R382	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)	
R383	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	
R384 R385	7030003440 7030003290	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 560 V (56 Ω)	
R386	7030003230	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R390	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R391 R402	7030003520 7030006260	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ12YJ471H (470 Ω)	
R421	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R422	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R423 R424	7030003300 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 680 V (68 Ω) ERJ3GEYJ 101 V (100 Ω)	
R424 R441	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R461	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R481	7030003320	S.RESISTOR	ERJ3GEY J 101 V (100 Ω)	
R501 R521	7030003320 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω)	
R541	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
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#### ORDER REF DESCRIPTION NO. NO. R561 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω) R581 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R601 7030003320 SIRESISTOR R621 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R641 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R701 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) B702 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R703 ERJ12YJ331H (330 Ω) 7030008180 S.RESISTOR **B704** ERJ3GEYJ 472 V (4.7 kΩ) S.RESISTOR B705 7030003520 ERJ3GEYJ 101 V (100 Ω) B751 7030003320 S RESISTOR S RESISTOR EBJ3GEYJ 470 V (47 Q) 7030003280 B752 S.RESISTOR ERJ3GEYJ 680 V (68 Ω) 7030003300 B753 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) **B754** 7030003340 7030003440 S RESISTOR EBJ3GEYJ 102 V (1 kQ) B761 ERJ3GEYJ 221 V (220 Ω) 7030003360 S RESISTOR B762 7540000130 ABSORBER 2P-50A-301 **B781** EBJ3GEYJ 103 V (10 kΩ) S.RESISTOR B782 7030003560 7030003200 S RESISTOR ERJ3GEYJ 100 V (10 Ω) R783 ERJ3GEYJ 4R7 V (4.7 Ω) S RESISTOR R801 7030004040 7030003380 | S.RESISTOR EBJ3GEYJ 331 V (330 Ω) R802 ERJ3GEYJ 271 V (270 Ω) S.RESISTOR R803 7030003370 ERJ3GEYJ 4R7 V (4.7 Ω) R804 7030004040 S.RESISTOR S.RESISTOR ERJ3GEYJ 101 V (100 Ω) 7030003320 R806 **B**807 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) R808 7030003400 S RESISTOR ERJ3GEYJ 471 V (470 Ω) R809 7030003200 S.RESISTOR ERJ3GEYJ 100 V (10 Ω) S.RESISTOR R810 7030003400 ERJ3GEYJ 471 V (470 Ω) 7030003280 S.RESISTOR R901 ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 104 V (100 kΩ) S.RESISTOR R902 7030003680 R903 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 823 V (82 kΩ) R905 7030003670 S.RESISTOR R921 7030003620 | S.RESISTOR ERJ3GEYJ 333 V (33 kΩ) R922 7030003480 S.RESISTOR EBJ3GEYJ 222 V (2.2 kQ) ERJ3GEYJ 100 V (10 Ω) R923 7030003200 S RESISTOR ERJ3GEYJ 221 V (220 Ω) R947 7030003360 S RESISTOR ERJ3GEYJ 221 V (220 Ω) S RESISTOR R949 7030003360 ERJ3GEYJ 101 V (100 Ω) S RESISTOR R950 7030003320 ERJ3GEYJ 223 V (22 kΩ) R951 7030003600 S RESISTOR ERJ3GEYJ 151 V (150 Ω) R952 7030003340 S.RESISTOR 7030003400 | S.RESISTOR R953 ERJ3GEYJ 471 V (470 Ω) R954 7030003470 S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ) R955 7030003340 S.RESISTOR ERJ3GEYJ 151 V (150 Ω) R956 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) R957 7030003420 S.RESISTOR ERJ3GEYJ 681 V (680 Ω) R961 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R962 7030003750 S.RESISTOR ERJ3GEYJ 394 V (390 kΩ) R963 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R964 7030003580 S.RESISTOR ERJ3GEYJ 153 V (15 kΩ) R966 7310002590 S.TRIMMER RV-109 R981 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R982 7030003700 S.RESISTOR ERJ3GEYJ 154 V (150 kΩ) R983 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R984 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R985 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R986 7030003840 S.RESISTOR ERJ3GEYJ 225 V (2.2 MΩ) R1001 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ) R1003 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003240 S.RESISTOR ERJ3GEYJ 220 V (22 Ω) R1004 R1005 7030003240 S.RESISTOR ERJ3GEYJ 220 V (22 Ω) C1 4030011600 | S.CERAMIC C1608 JB 1C 104KT-N C2 4510004630 S.ELECTROLYTICECEV1CA100SR СЗ 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C4 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C5 4030006900 | S.CERAMIC C1608 JB 1E 103K-T-A C6 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C7 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C8 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C9 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C10 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C21 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C22 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C23 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C24 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C25 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C26 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C27 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C28 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A S.CERAMIC C1608 JB 1E 103K-T-A C29 4030006900 C61 4510004630 S.ELECTROLYTIC ECEV1CA100SR

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REF	ORDER		DESCRIPTION	
NO.	NO.	0.0550		
C62 C63	4030011600 4510004630	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA100SR	
C64	4510004630	S.ELECTROLYTIC	ECEVICA100SR	
C65	4510004630	S.ELECTROLYTIC	ECEV1CA100SR	
C66	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C81	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C82 C83	4030006880 4030006970	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 CH 1H 060D-T-A	
C84	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C85	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C86	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A	
C87 C88	4030007030 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 150J-T-A C1608 JB 1H 472K-T-A	
C103	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A	
C104	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A	
C121 C122	4030006860 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 472K-T-A	
C123	4030006910	S.CERAMIC	C1608 CH 1H 0R5C-T-A	
C124	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	
C125	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A	
C126 C127	4030006920 4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 010C-T-A C1608 CH 1H 180J-T-A	
C141	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C142	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C143 C144	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N	
C144	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104K1-N	
C146	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C147	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C148 C149	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C150	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C161	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	
C162 C163	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N	
C165	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N	
C166	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C181	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C182 C183	4030006990 4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 080D-T-A C1608 JB 1C 104KT-N	
C184	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A	
C185	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A	
C186 C187	4030009990 4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 200J-T-A C1608 CH 1H 470J-T-A	
C188	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C189	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C190 C201	4030007070 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 330J-T-A C1608 JB 1H 472K-T-A	
C204	4030007080		C1608 CH 1H 390J-T-A	
C205	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C206 C221	4030007170 4030006910	S.CERAMIC S.CERAMIC	C1608 CH 1H 221J-T-A C1608 CH 1H 0R5C-T-A	
C222	4030006970	S.CERAMIC	C1608 CH 1H 060D-T-A	
C223	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A	
C224 C225	4030006920 4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 010C-T-A C1608 CH 1H 180J-T-A	
C226	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C227	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C228 C229	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
C229	4030006880	S.CERAMIC	C1608 JB 1H 472K-1-A	
C231	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C232	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C241 C242	4030011600 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A	
C243	40300011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C244	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C245 C246	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C247	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C248	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C249 C261	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C263	4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 060D-T-A	
C264	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C265 C266	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C267	4030011600	S.CERAMIC	C1608 JB 1C 104K1-N C1608 JB 1H 472K-T-A	
C281	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A	
C282 C283	4030011600 4030007070	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 330J-T-A	
C284	4030007070	S.CERAMIC	C1608 CH 1H 3303-1-A	
			S Surface mount	

#### REF **ORDER** DESCRIPTION NO. NO. 4030007100 S.CERAMIC C1608 CH 1H 560J-T-A C285 C1608 CH 1H 200J-T-A C286 4030009990 S.CERAMIC C1608 CH 1H 470J-T-A C287 4030007090 S.CERAMIC 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A C301 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A C302 C303 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 102K-T-A C304 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 C305 S.CERAMIC C1608 JB 1H 472K-T-A C306 4030006880 S.CERAMIC C1608 JB 1H 102K-T-A 4030006860 C307 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C308 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C309 C1608 CH 1H 080D-T-A 4030006990 S CERAMIC C310 C1608 CH 1H 391J-T-A S CERAMIC C311 4030011330 C1608 CH 1H 680J-T-A 4030007110 S.CERAMIC C312 S.CERAMIC C1608 CH 1H 391J-T-A C313 4030011330 4030007080 S.CERAMIC C1608 CH 1H 390J-T-A C314 S.CERAMIC C1608 CH 1H 471J-T-A C315 4030011340 S.CERAMIC 4030007080 C1608 CH 1H 390J-T-A C316 S CERAMIC C1608 CH 1H 680J-T-A C317 4030007110 S.CERAMIC C1608 JB 1C 104KT-N C321 4030011600 C1608 JB 1C 104KT-N C322 4030011600 S.CERAMIC S.CERAMIC C1608 JB 1C 104KT-N C342 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C343 4030011600 C344 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C345 4030011600 S.CERAMIC S.CERAMIC C1608 JB 1C 104KT-N C346 4030011600 S.CERAMIC C362 4030011600 C1608 JB 1C 104KT-N S.CERAMIC C363 4030006860 C1608 JB 1H 102K-T-A C371 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C372 4030011600 C1608 JB 1C 104KT-N C373 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C374 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C375 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 CH 1H 150J-T-A C381 4030007030 C388 4030006880 S CERAMIC C1608 JB 1H 472K-T-A C391 4030006960 S.CERAMIC C1608 CH 1H 050C-T-A S.CERAMIC C392 4030011600 C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1C 104KT-N C398 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C421 4030011600 C1608 JB 1C 104KT-N C422 4030011600 S.CERAMIC S.CERAMIC C423 4030008650 C1608 JB 1H 332K-T-A S.CERAMIC C424 4030011330 C1608 CH 1H 391J-T-A C425 4030008650 S.CERAMIC C1608 JB 1H 332K-T-A S.CERAMIC C426 4030011600 C1608 JB 1C 104KT-N C441 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C443 4030010020 S.CERAMIC C1608 JB 1H 122K-T-A C444 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A C445 4030006870 S CERAMIC C1608 JB 1H 222K-T-A C446 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C447 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C448 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C449 4030009580 | S.CERAMIC C1608 JB 1H 681K-T-A C461 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C462 4030010020 S.CERAMIC C1608 JB 1H 122K-T-A C463 4030006900 | S.CERAMIC C1608 JB 1E 103K-T-A C464 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C465 4030010040 S.CERAMIC C1608 JB 1H 561K-T-A C466 4030010750 S.CERAMIC C1608 CH 1H 201J-T-A C467 4030010020 S.CERAMIC C1608 JB 1H 122K-T-A C469 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C481 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C482 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C483 4030008770 S.CERAMIC C1608 JB 1H 562K-T-A C484 4030008650 S.CERAMIC C1608 JB 1H 332K-T-A C485 4030009580 S.CERAMIC C1608 JB 1H 681K-T-A C486 4030007140 S.CERAMIC C1608 CH 1H 121J-T-A C487 4030010020 S.CERAMIC C1608 JB 1H 122K-T-A C488 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C501 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C502 4030010040 S.CERAMIC C1608 JB 1H 561K-T-A C503 4030008770 S.CERAMIC C1608 JB 1H 562K-T-A C504 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C505 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C506 4030007120 S.CERAMIC C1608 CH 1H 820J-T-A C507 4030009490 S.CERAMIC C1608 JB 1H 821K-T-A C508 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C521 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030011330 S.CERAMIC C1608 CH 1H 391J-T-A C522 C523 4030010770 S.CERAMIC C1608 JB 1H 392K-T-A C524 4030009580 S.CERAMIC C1608 JB 1H 681K-T-A C525 4030010760 S.CERAMIC C1608 CH 1H 331J-T-A

### [RF UNIT]

RF UNIT]			
REF NO.	ORDER NO.		DESCRIPTION
C526	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C527	4030010040 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 561K-T-A C1608 JB 1C 104KT-N
C528 C541	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C542	4030010760	S.CERAMIC	C1608 CH 1H 331J-T-A
C543	4030008470	S.CERAMIC	C1608 JB 1H 272K-T-A
C544	4030010040	S.CERAMIC	C1608 JB 1H 561K-T-A
C545 C546	4030007160 4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 181J-T-A C1608 CH 1H 470J-T-A
C547	4030007050	S.CERAMIC	C1608 CH 1H 331J-T-A
C548	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C561	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C563 C564	4030011840 4030010020	S.CERAMIC S.CERAMIC	C1608 CH 1H 241J-T-A C1608 JB 1H 122K-T-A
C565	4030011340	S.CERAMIC	C1608 CH 1H 471J-T-A
C566	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C567	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C568 C569	4030011280	S.CERAMIC S.CERAMIC	C1608 CH 1H 271J-T-A C1608 JB 1C 104KT-N
C581	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C582	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C583	4030010020	S.CERAMIC S.CERAMIC	C1608 JB 1H 122K-T-A C1608 SL 1H 301J-T-A
C584 C585	4030006820	S.CERAMIC	C1608 CH 1H 101J-T-A
C586	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A
C587	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C588 C601	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C602	403007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C603	4030010020	S.CERAMIC	C1608 JB 1H 122K-T-A
C604	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C605 C606	4030007130 4030007060	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A C1608 CH 1H 270J-T-A
C607	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C608	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C609	4030011600 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C621 C622	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C623	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C624	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A C1608 CH 1H 300J-T-A
C625 C626	4030008560 4030007110	S.CERAMIC S.CERAMIC	C1608 CH 1H 680J-T-A
C627	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C628	4030011280	S.CERAMIC	C1608 CH 1H 271J-T-A C1608 CH 1H 560J-T-A
C629 C630	4030007100 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C641	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C642	4030007120	S.CERAMIC S.CERAMIC	C1608 CH 1H 820J-T-A C1608 JB 1H 561K-T-A
C643 C644	4030010040 4030007120	S.CERAMIC	C1608 JB 1H 361K-1-A C1608 CH 1H 820J-T-A
C645	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C646	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C647 C701	4030007110	S.CERAMIC S.CERAMIC	C1608 CH 1H 680J-T-A C1608 JB 1C 104KT-N
C702	4030009980	S.CERAMIC	C1608 JB 1H 152K-T-A
C703	4030009880	S.CERAMIC	C1608 JB 1H 682K-T-A
C704	4030008470	S.CERAMIC	C1608 JB 1H 272K-T-A C1608 JB 1C 104KT-N
C705 C706	4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 221J-T-A
C707	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C708	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C709 C741	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C751	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C752	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C761	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C781 C782	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C783	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C784	4030011540	S.CERAMIC	C1608 CH 1H 750J-T-A
C785 C786	4030007120 4030007030	S.CERAMIC S.CERAMIC	C1608 CH 1H 820J-T-A C1608 CH 1H 150J-T-A
C787	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C801	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C803 C804	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C901	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C902	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C903 C904	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C921	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C923	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A

#### REF **ORDER** DESCRIPTION NO. NO. C1608 CH 1H 070D-T-A 4030006980 S CERAMIC C924 C1608 CH 1H 060D-T-A S.CERAMIC C925 4030006970 C1608 CH 1H 020C-T-A C926 4030006930 S.CERAMIC C927 4030006970 S.CERAMIC C1608 CH 1H 060D-T-A C1608 CH 1H 070D-T-A C928 4030006980 S.CERAMIC C947 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C948 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C949 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C950 4030006960 S.CERAMIC C1608 CH 1H 050C-T-A C951 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A C952 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C953 4030006920 S.CERAMIC C1608 CH 1H 010C-T-A C954 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C955 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C956 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C957 4030006960 S.CERAMIC C1608 CH 1H 050C-T-A C958 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A C959 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C960 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C961 4510004630 S.ELECTROLYTIC ECEV1CA100SR C962 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C963 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C964 C965 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C966 C967 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A S.CERAMIC C1608 CH 1H 150J-T-A C968 4030007030 C969 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030010750 S.CERAMIC C1608 CH 1H 201J-T-A C970 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C971 S.CERAMIC C1608 JB 1H 102K-T-A C981 4030006860 S.ELECTROLYTIC C982 4510004630 ECEV1CA100SR S.CERAMIC C1608 JB 1C 104KT-N C1001 4030011600 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C1002 S.CERAMIC C1608 CH 1H 680J-T-A C1003 4030007110 C1004 4030007110 S.CERAMIC C1608 CH 1H 680J-T-A C1608 CH 1H 820J-T-A C1007 4030007120 S.CERAMIC 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C1008 C1608 CH 1H 820J-T-A C1009 4030007120 S.CERAMIC C1010 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A RL751 6330001320 RELAY AHY103 **RL752** 6330001320 RELAY AHY103 AHY103 **RL781** 6330001320 RFI AY DS<sub>1</sub> 5080000370 LAMP HRS-4160A 6510019990 S.CONNECTOR 52808-2290 J1 CONNECTOR 6510007020 TMP-J01X-V6 J6 TMP-J01X-V6 J101 6510007020 CONNECTOR CONNECTOR TMP-J01X-V6 J201 6510007020 TMP-J01X-V6 J301 6510007020 CONNECTOR J302 6510007900 CONNECTOR TBP-P01X-A1 TMP-J01X-V6 J781 6510007020 CONNECTOR JPJ1044-01-010 6450001800 CONNECT J782 CONNECTOR 6510007020 TMP-J01X-V6 J821 TMP-J01X-V6 J901 6510007020 CONNECTOR ERJ3GE JPW V W261 7030003860 S.JUMPER WS1 8970022670 CABLE (1)/RF 0910048226 B 4860F EP1 PCB 6910008000 4 (d) L=15 mm TUBE FP2 IRRAX 0.7 (d) L=5 mm FP3 9029703901 TUBE

#### [MAIN UNIT]

[MAIN	UNII		
REF NO.	ORDER NO.		DESCRIPTION
IC51	1110003350	S.IC	μPC1037GR-E1(MS)
IC101	1110003140	IC S IC	LA1150N
IC201 IC202	1110003350 1110000960	S.IC S.IC	μPC1037GR-E1(MS) NJM4558M(T1)
IC301	1110000960	S.IC	NJM4558M(T1)
IC305	1130007660	S.IC	LC7153M-TLM
IC306	1110003200	S.IC	TA31136FN(EL)
IC451	1180001070	S.IC	TA7805F(TE16L)
IC501	1110003300	S.IC	M5282FP 70CD
IC502 IC503	1110003300 1110003870	S.IC S.IC	M5282FP 70CD NJM2058M-T1
IC504	1110003070	IC	LA4425A
IC506	1110003300	S.IC	M5282FP 70CD
IC507	1130007820	S.IC	BU4052BCF-T1
IC508	1130007820	S.IC	BU4052BCF-T1
IC509 IC510	1110003300 1110003300	S.IC S.IC	M5282FP 70CD M5282FP 70CD
IC510	1110003500	S.IC	BA3308F-T1
IC512	1110003300	S.IC	M5282FP 70CD
IC513	1130005640	S.IC	TC4W53F (TE12L)
IC514	1130005640	S.IC	TC4W53F (TE12L)
IC515 IC601	1110004390 1110000960	S.IC S.IC	M62420FP 600C NJM4558M(T1)
IC602	1110003870	S.IC	NJM2058M-T1
IC701	1110000960	S.IC	NJM4558M(T1)
IC801	1140006100	S.IC	HD6433042SA74F
IC802	1190000540	S.IC	SED1351F0A
IC803 IC804	1130004080 1130005960	S.IC S.IC	μPD71055GB-3B4 TC74HC244AF
IC805	1110001550	S.IC	S-8054ALB-LM-T1
IC806	1140005880	S.IC	X25320S8I-2.7T6
IC807	1130007450	S.IC	RTC-4553A
IC808	1130006380	S.IC	HM62256LFP-12SLT
IC809 IC810	1110004310 1130007700	S.IC S.IC	M62352GP 75EC BU4094BCF-T1
IC811	1130007700	S.IC	BU4094BCF-T1
IC812	1160000130	S.IC	TD62783AF (TP1)
IC813	1110003870	S.IC	NJM2058M-T1
IC814	1130005720	S.IC S.IC	TC7W04F (TE12L) TC7S32FU(TE85R)
IC815 IC816	1130007280	S.IC	BU4094BCF-T1
IC817	1130007820	S.IC	BU4052BCF-T1
Q51	1590002310	S.TRANSISTOR	DTC114EE TL
Q52	1560000560	S.FET	2SK882-GR (TE85L)
Q53	1580000620	S.FET	3SK131-T2 MAS
Q54	1530002060		2SC4081 T107 R
Q55 Q101	1590002310 1560000560	S.TRANSISTOR S.FET	DTC114EE TL 2SK882-GR (TE85L)
Q101	1510000510	S.TRANSISTOR	2SA1576 T107 R
Q103	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q104	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q105	1530002060 1590001870	S.TRANSISTOR	2SC4081 T107 R DTA114EE TL
Q106 Q107	1590001870	S.TRANSISTOR S.TRANSISTOR	DTA114EE TL DTC114EE TL
Q107 Q108	1590002310	S.TRANSISTOR	DTC114EE TL
Q109	1590002310	S.TRANSISTOR	DTC114EE TL
Q151	1540000440	S.TRANSISTOR	2SD1619-T-TD
Q152 Q153	1530002060 1540000440	S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 R 2SD1619-T-TD
Q153	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q201	1560000560	S.FET	2SK882-GR (TE85L)
Q202	1590001870	S.TRANSISTOR	DTA114EE TL
Q203	1580000620	S.FET	3SK131-T2 MAS
Q204 Q205	1530002060 1560000560	S.TRANSISTOR S.FET	2SC4081 T107 R 2SK882-GR (TE85L)
Q206	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q207	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q208	1530002060		2SC4081 T107 R
Q209	1590001870 1590001870	S.TRANSISTOR S.TRANSISTOR	DTA114EE TL DTA114EE TL
Q210 Q211	1590001870	S.TRANSISTOR	DTC114EE TL
Q212	1590002310	S.TRANSISTOR	DTC114EE TL
Q213	1590002310		DTC114EE TL
Q214	1590002310	S.TRANSISTOR	DTC114EE TL
Q215 Q216	1590001870 1590002310	S.TRANSISTOR S.TRANSISTOR	DTA114EE TL DTC114EE TL
Q217	1590002310	S.TRANSISTOR	DTC114EE TL
Q301	1530003090	S.TRANSISTOR	2SC4213-B (TE85R)
Q302	1530002060	S.TRANSISTOR S.FET	2SC4081 T107 R 2SK210-GR (TE85R)
Q303	1560000330	U.I L I	25K210-GH (1265H)
			S.=Surface mount

#### REF ORDER DESCRIPTION NO. NO. S.TRANSISTOR DTA114EE TL Q305 1590001870 1590002310 S.TRANSISTOR DTC114EE TL Q306 2SK882-GR (TE85L) 1560000560 S.FET O307 2SJ144-GR (TE85R) 1590001450 S.FET O501 1590002310 S.TRANSISTOR DTC114EE TL 0601 S.TRANSISTOR DTC114EE TL 1590002310 0603 S.TRANSISTOR DTC114EE TL 1590002310 Q604 2SA1576 T107 R O605 1510000510 S.TRANSISTOR 1590002310 S.TRANSISTOR DTC114EE TL 0606 S TRANSISTOR DTA114FF TL Q650 1590001870 S.TRANSISTOR DTC114EE TL 0651 1590002310 O801 1510000510 S.TRANSISTOR 2SA1576 T107 R 1530002060 STRANSISTOR 2SC4081 T107 R 0802 DTA114EE TL STRANSISTOR 0803 1590001870 S.TRANSISTOR 2SA1576 T107 R 1510000510 O804 0805 1590002310 S.TRANSISTOR DTC114EE TL S TRANSISTOR 2SC4081 T107 B 1530002060 0806 2SC4081 T107 R S.TRANSISTOR O807 1530002060 2SD1619-T-TD 1540000440 S.TRANSISTOR 0808 Q809 1590001870 S TRANSISTOR DTA114EE TL DTC114EE TL S TRANSISTOR Q810 1590002310 S.TRANSISTOR DTA114EE TL O811 1590001870 1590002310 | S.TRANSISTOR DTC114EE TL Q812 1790000620 S.DIODE MA77(TW) D1 MA77(TW) 1790000620 S.DIODE D2 1790000450 SIDIODE MA862(TX) D51 DAN222TL 1750000520 SIDIODE D52 S.DIODE MA77(TW) 1790000620 D53 S.DIODE MA862(TX) D54 1790000450 1790000450 SIDIODE MA862(TX) D55 S.DIODE MA862(TX) 1790000450 D56 S.DIODE MA862(TX) 1790000450 D57 MA862(TX) S.DIODE D58 1790000450 S.DIODE MA862(TX) 1790000450 D59 1790000450 S.DIODE MA862(TX) D60 1790000450 S.DIODE MA862(TX) D61 MA862(TX) S.DIODE D62 1790000450 S.DIODE 1SV265-TL 1750000450 D63 1750000520 S.DIODE DAN222TL D64 S.DIODE DAN222TL 1750000520 D65 S.DIODE HSM88AS-TR 1790000490 D101 S.DIODE DAP222 TL 1160000140 D102 1750000520 S.DIODE DAN222TL D151 S.DIODE DAN222TL 1750000520 D152 S.DIODE DAN222TL 1750000520 D153 S.DIODE MA77(TW) D201 1790000620 D202 1750000520 S.DIODE DAN222TL 1790000620 S.DIODE MA77(TW) D203 1790000620 S.DIODE MA77(TW) D204 S.DIODE MA77(TW) D205 1790000620 1790000620 S.DIODE MA77(TW) D206 1790000620 S.DIODE MA77(TW) D207 1790000620 S.DIODE MA77(TW) D208 1790000620 S.DIODE MA77(TW) D209 D210 1790000620 S.DIODE MA77(TW) 1790000490 S.DIODE HSM88AS-TR D211 1790000450 S.DIODE MA862(TX) D212 1790000450 S.DIODE MA862(TX) D213 1790000490 S.DIODE HSM88AS-TR D215 RD7.5M-T2B1 D216 1730000770 S.ZENER MA77(TW) D217 1790000620 S.DIODE MA77(TW) D218 1790000620 S.DIODE D219 1790000620 S.DIODE MA77(TW) 1790000620 S.DIODE MA77(TW) D220 D221 1790000620 S.DIODE MA77(TW) D222 1790000620 S.DIODE MA77(TW) 1790000490 S.DIODE HSM88AS-TR D301 HSM88AS-TR 1790000490 S.DIODE D302 SVC252-TA D303 1720000490 S.VARICAP HSM88AS-TR D401 1790000490 S.DIODE D501 1750000520 S.DIODE DAN222TL HSM88AS-TR 1790000490 S.DIODE D502 HSM88AS-TR D503 1790000490 S.DIODE HSM88AS-TR D504 1790000490 S.DIODE D531 1750000520 S.DIODE DAN222TL S.ZENER RD7.5M-T2B1 1730000770 D601 DAN222TL D602 1750000520 S.DIODE DAN222TL D603 1750000520 S.DIODE D604 1160000140 S.DIODE DAP222 TL DAN222TL D606 1750000520 S.DIODE

### [MAIN UNIT]

	ORDER		
REF NO.	NO.		DESCRIPTION
D607	1750000520	S.DIODE	DAN222TL
D608	1750000520	S.DIODE	DAN222TL
D609	1750000520	S.DIODE	DAN222TL
D610 D611	1790001250 1790001250	S.DIODE S.DIODE	MA2S111-(TX) MA2S111-(TX)
D801	1750001230	S.DIODE	DAN222TL
D802	1750000520	S.DIODE	DAN222TL
D803	1750000520	S.DIODE	DAN222TL
D804	1750000520	S.DIODE	DAN222TL
D805 D806	1750000520 1750000520	S.DIODE S.DIODE	DAN222TL DAN222TL
D807	1750000520	S.DIODE	DAN222TL
D808	1750000520	S.DIODE	DAN222TL
D809	1750000520	S.DIODE	DAN222TL
D810	1750000520	S.DIODE	DAN222TL
D811 D812	1750000520 1160000140	S.DIODE S.DIODE	DAN222TL DAP222 TL
D813	1750000520	S.DIODE	DAN222TL
D814	1160000140	S.DIODE	DAP222 TL
D815	1750000520	S.DIODE	DAN222TL
D816	1160000140 1160000140	S.DIODE S.DIODE	DAP222 TL DAP222 TL
D817 D818	1750000140	S.DIODE	DAN222TL
D819	1750000520	S.DIODE	DAN222TL
D820	1730000030	S.ZENER	RD5.6M-T2B2
D821	1160000140	S.DIODE	DAP222 TL
FI51	2010000270	FILTER	9M15A (FL-23)
FI52	2010000600		9M26F (FL-80)
FI201 FI202	2010000840		X00F27A (FL-96) SFPC455G-TC01
FI202	2020001000	S.CERAMIC S.CERAMIC	SFPC455E-TC01
FI204	2020000150	CERAMIC	CFW455HT
X301	6070000150	S DISCRIMINATOR	CDBC455CX24-TC
X801	6050009860	S.XTAL	CR-566 (12.288 MHz)
X802	6050009890	S.XTAL	CR-569 (6.144 MHz)
L52	6150000711	COIL	LS-452
L53	6150000711	COIL	LS-452
L54	6150000711	COIL	LS-452
L55	6150000711	COIL	LS-452
L56 L57	6200001830	S.COIL S.COIL	NL 322522T-100J NL 322522T-1R2J-3
L101	6150004050		LS-466
L102	6200003260	S.COIL	NL 322522T-101J
L103	6150004050	COIL	LS-466
L201 L202	6150002291	COIL	LS-450 LS-451
L203	6150002271	COIL	LS-450
L205	6200005490		NL 322522T-331J
L206	6200005490		NL 322522T-331J
L301	6200003260		NL 322522T-101J NL 322522T-2R2J-3
L303 L304	6200002990		NL 322522T-2H2J-3 NL 322522T-101J
L305	6200003260		NL 322522T-101J
L306	6200001830		NL 322522T-100J
L401	6180000990		LAL 04NA 100K
L402 L403	6180001220	COIL S.COIL	LAL 04NA 100K NL 322522T-101J
L501	6170000140	<b>!</b>	LW-15
L601	6200003260	S.COIL	NL 322522T-101J
L602	6200003260		NL 322522T-101J
L651 L652	6200003260 6200003590	I .	NL 322522T-101J EXCCL3225U1
L653	6200003360	l .	NL 322522T-101J
L654	6200003260	S.COIL	NL 322522T-101J
L655	6200003590	i	EXCCL3225U1
L656 L657	6200003260 6200003260	l .	NL 322522T-101J NL 322522T-101J
L658	6200003200	l .	EXCCL3225U1
L659	6200003260	S.COIL	NL 322522T-101J
L660	6200003590		EXCCL3225U1
L661	6200003260 6200003260	ł .	NL 322522T-101J NL 322522T-101J
L662 L750	6200003260		NL 322522T-1013 NL 322522T-100J
L751	6200003590	S.COIL	EXCCL3225U1
L752	6200003240		NL 322522T-221J
L753	6200003240	S.COIL	NL 322522T-221J
			S.=Surface mount

R6 R50 R51 R52 R53

R68

R69

R70

R71 R72

**R73** 

R74

R75

**R76** 

R77 **R78** 

R79

R80

R81

R82 R83

R84

R85 R86

R87

R89

R90

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R92

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R94

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R101

R102

R103

R104

R105

R106

R107 R108

R109 R110

R111 R112

R113

R114

R115 R116

R117

R118

R119 R120 7030003520 S. 7030003450 S.

7030003360 S.

S

S.

S.

S.

S.

S.

7030003450 S.RESISTOR 7030003560 S.RESISTOR

7030003360 S.RESISTOR

7030003520 S.RESISTOR

7030003640 S.RESISTOR

7030003320 S.RESISTOR

7030003640 S.RESISTOR

7030003640 S.RESISTOR

7030003440 S.RESISTOR

7030003520 S.RESISTOR

7030003520 S.RESISTOR

7030003640 S.RESISTOR

7030003680 S.RESISTOR

7030003540 S.RESISTOR

7030003440 S.RESISTOR

7030003400 S.RESISTOR

7030003600 S.RESISTOR

S.RESISTOR

7030003440

S.RESISTOR

7030003560

7030003320

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7030003520

#### REF ORDER DESCRIPTION NO. NO. L754 6910003570 COIL 2943-666663

#### L755 6910003570 COIL 2943-666663 L756 6200003260 S.COIL NL 322522T-101J 6200003260 S.COIL NL 322522T-101J L757 NL 322522T-100J L801 6200001830 S.COIL R1 7030003560 S.RESISTOR R3 7030003440 S.RESISTOR R4 7030003320 S.RESISTOR R5

# ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω)

7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
7310002740	S.TRIMMER	RV-150
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
7510000870	S.THERMISTOR	NTCCF2012 3FH 332KC-T
7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)

ทอง	1/3/10002/40	O. I MIIVIIVIEN	UA-120
R54	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R55	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R56	7510000870	S.THERMISTOR	NTCCF2012 3FH 332KC-T
R57	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R58	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R59	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R60	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R61	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R62	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R63	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R64	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R65	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R66	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
B67	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)

.nesis ion	E11000E10414 (410 K22)
RESISTOR	ERJ3GEYJ 151 V (150 Ω)
RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
RESISTOR	ERJ3GEYJ 221 V (220 Ω)
RESISTOR	ERJ3GEYJ 101 V (100 Ω)
RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
RESISTOR	ERJ3GEYJ 221 V (220 Ω)
RESISTOR	ERJ3GEYJ 101 V (100 Ω)
RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)

ERJ3GEYJ 472 V (4.7 kΩ)

ERJ3GEYJ 122 V (1.2 kΩ)

ERJ3GEYJ 103 V (10 kΩ)

ERJ3GEYJ 221 V (220 Ω)

ERJ3GEYJ 472 V (4.7 kΩ)

ERJ3GEYJ 473 V (47 kΩ)

ERJ3GEYJ 101 V (100 Ω)

ERJ3GEYJ 473 V (47 kΩ)

ERJ3GEYJ 473 V (47 kΩ)

ERJ3GEYJ 102 V (1 kΩ)

ERJ3GEYJ 472 V (4.7 kΩ)

ERJ3GEYJ 472 V (4.7 kΩ)

ERJ3GEYJ 473 V (47 kΩ)

ERJ3GEYJ 104 V (100 kΩ)

ERJ3GEYJ 682 V (6.8 kΩ)

ERJ3GEYJ 102 V (1 kΩ)

ERJ3GEYJ 471 V (470 Ω)

ERJ3GEYJ 223 V (22 kΩ)

ERJ3GEYJ 102 V (1 kΩ)

7030003360	S.NESISTON	EU000E10 551 A (550 25)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
7310002740	S.TRIMMER	RV-150
7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)

[MAIN	UNIT]		
REF NO.	ORDER NO.		DESCRIPTION
R121	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R151	7030006210		ERJ12YJ4R7H (4.7 Ω)
R152 R154	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ12YJ4R7H (4.7 Ω)
R155	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R156	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R157	7030003560		ERJ3GEYJ 103 V (10 kΩ)
R201	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R202 R203	7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R204	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R208	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R209 R210	7310002690 7030003560	S.TRIMMER S.RESISTOR	RV-145 ERJ3GEYJ 103 V (10 kΩ)
R211	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R212	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R213	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R214 R216	7030003680		ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 222 V (2.2 kΩ)
R220	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R221	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
R222	7030004710	S.RESISTOR S.RESISTOR	ERJ3GEYJ 475 V (4.7 MΩ) ERJ3GEYJ 475 V (4.7 MΩ)
R223 R224	7030004710 7030003820	S.RESISTOR	ERJ3GEYJ 155 V (1.5 MΩ)
R227	7030003520		ERJ3GEYJ 472 V (4.7 kΩ)
R228	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R229 R230	7030003320 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 472 V (4.7 kΩ)
R231	7030003560		ERJ3GEYJ 103 V (10 kΩ)
R232	7030003320		ERJ3GEYJ 101 V (100 Ω)
R233	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R234 R235	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R236	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R237	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R238 R239	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R240	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R241	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R244 R245	7030003480 7030003380	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 331 V (330 Ω)
R247	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R248	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R251 R252	7310002740 7030003320	S.TRIMMER S.RESISTOR	RV-150 ERJ3GEYJ 101 V (100 Ω)
R254	7030003320		ERJ3GEYJ 101 V (100 Ω)
R255	7030003560		ERJ3GEYJ 103 V (10 kΩ)
R256 R257	7030003560 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 222 V (2.2 kΩ)
R258	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R259	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R261	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R262 R263	7030003530 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R264	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R265	7030003780	S.RESISTOR	ERJ3GEYJ 684 V (680 kΩ)
R266 R267	7030003520 7030003600	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 223 V (22 kΩ)
R269	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R270	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R271	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R272 R274	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R276	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R277	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R278 R279	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R280	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R282	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R283	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R285 R286	7030003600 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 221 V (220 Ω)
R287	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R288	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R289 R290	7030003560 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 221 V (220 Ω)
R291	7030003360	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R292	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R293 R294	7030003440 7030003600	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 223 V (22 kΩ)
R295	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R296	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)

### [MAIN UNIT]

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REF NO.	ORDER NO.		DESCRIPTION
R297	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R298	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R299	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R301 R302	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 822 V (8.2 kΩ)
R303	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R304	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R306	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R307 R308	7030003730	S.RESISTOR S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ) ERJ3GEYJ 154 V (150 kΩ)
R310	7030003700	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R311	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R312	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R313 R314	7030003640 7030003670	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 823 V (82 kΩ)
R315	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R317	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R318	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R319 R320	7310002720	S.TRIMMER S.RESISTOR	RV-148 ERJ3GEYJ 471 V (470 Ω)
R321	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R322	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R323	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R325 R326	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 104 V (100 kΩ)
R327	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R328	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R329 R330	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R331	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R332	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R333	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R334 R335	7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 153 V (15 kΩ)
R336	70300033840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
R337	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R339	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R341 R342	7030003560 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R344	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R345	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R346 R347	7030003700	S.RESISTOR S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ) ERJ3GEYJ 332 V (3.3 kΩ)
R348	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R349	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R350 R351	7030003460 7030003630	S.RESISTOR S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ) ERJ3GEYJ 393 V (39 kΩ)
R353	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R355	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R356	7030003340	S.RESISTOR S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R357 R358	7030003490	S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ) ERJ3GEYJ 272 V (2.7 kΩ)
R359	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R360	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R361	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 103 V (10 kΩ)
R362 R363	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R364	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R365	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
R366 R401	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R402	7030003440	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R403	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R404	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R405 R406	7030003600 7030003440	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R407	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R408	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R409 R410	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R411	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R501	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R502	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R503 R504	7030003640 7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R505	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R507	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)
R508 R509	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 681 V (680 Ω)
R510	7030003420	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R511	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R512	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)

REF   OND	[MAIN	UNIIJ		
R515	: :			DESCRIPTION
R51516         7030003400         S.RESISTOR         ERJ3GEY J 102 V (100 Ω)           R5161         7030003400         S.RESISTOR         ERJ3GEY J 102 V (1 kΩ)         .           R517         7030003680         S.RESISTOR         ERJ3GEY J 102 V (1 kΩ)         .           R519         7030003680         S.RESISTOR         ERJ3GEY J 104 V (100 kΩ)           R521         7030003600         S.RESISTOR         ERJ3GEY J 104 V (100 kΩ)           R522         7030003400         S.RESISTOR         ERJ3GEY J 104 V (100 kΩ)           R523         7030003400         S.RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R526         7030003400         S.RESISTOR         ERJ3GEY J 103 V (10 kΩ)           R526         7030003400         S.RESISTOR         ERJ3GEY J 103 V (10 kΩ)           R527         7030003500         S.RESISTOR         ERJ3GEY J 103 V (10 kΩ)           R528         7030003500         S.RESISTOR         ERJ3GEY J 103 V (10 kΩ)           R529         7030003500         S.RESISTOR         ERJ3GEY J 103 V (10 kΩ)           R521         7030003500         S.RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R521         7030003500         S.RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R523         7030003500         S	R513	7030003520	S.RESISTOR	
R5161         7030003440         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)           R518         7030003404         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)           R519         7030003400         S.RESISTOR         ERJ3GEY1 104 V (100 kΩ)           R521         7030003400         S.RESISTOR         ERJ3GEY1 104 V (100 kΩ)           R521         7030003600         S.RESISTOR         ERJ3GEY1 104 V (100 kΩ)           R522         7030003600         S.RESISTOR         ERJ3GEY1 104 V (100 kΩ)           R523         7030003600         S.RESISTOR         ERJ3GEY1 103 V (10 kΩ)           R526         7030003500         S.RESISTOR         ERJ3GEY1 103 V (10 kΩ)           R526         7030003500         S.RESISTOR         ERJ3GEY1 103 V (10 kΩ)           R527         7030003500         S.RESISTOR         ERJ3GEY1 103 V (10 kΩ)           R529         7030003500         S.RESISTOR         ERJ3GEY1 103 V (10 kΩ)           R521         7030003500         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)           R531         7030003500         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)           R532         7030003600         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)           R533         7030003400         S.RESISTOR         ERJ3GEY1 102 V (1 kΩ)				
R516	. ,			
R5181         7030003400 S RESISTOR REJUGEY 102 V (1 kΩ)           R5191         7030003600 S RESISTOR REJUGEY 104 V (100 kΩ)           R520         7030003600 S RESISTOR REJUGEY 104 V (100 kΩ)           R521         7030003600 S RESISTOR REJUGEY 104 V (100 kΩ)           R522         7030003600 S RESISTOR REJUGEY 102 V (1 kΩ)           R523         7030003600 S RESISTOR REJUGEY 102 V (1 kΩ)           R524         7030003600 S RESISTOR REJUGEY 103 V (10 kΩ)           R525         7030003400 S RESISTOR REJUGEY 103 V (10 kΩ)           R526         7030003500 S RESISTOR REJUGEY 103 V (10 kΩ)           R527         7030003400 S RESISTOR REJUGEY 103 V (10 kΩ)           R528         7030003500 S RESISTOR REJUGEY 103 V (10 kΩ)           R529         7030003500 S RESISTOR REJUGEY 103 V (10 kΩ)           R531         7030003400 S RESISTOR REJUGEY 103 V (10 kΩ)           R532         7030003400 S RESISTOR REJUGEY 123 V (22 kΩ)           R533         7030003400 S RESISTOR REJUGEY 173 V (470 Ω)           R534         7030003400 S RESISTOR REJUGEY 173 V (470 Ω)           R535         7030003400 S RESISTOR REJUGEY 173 V (470 Ω)           R534         7030003400 S RESISTOR REJUGEY 173 V (470 Ω)           R535         7030003400 S RESISTOR REJUGEY 173 V (470 Ω)           R536         7030003400 S RESISTOR REJUGEY REJUGEY 173 V (470 Ω)				
R519         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R521         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R521         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R523         7030003600         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R524         7030003600         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R526         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R527         7030003500         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R528         7030003500         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R529         7030003500         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R521         7030003600         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R531         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R532         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R533         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R534         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R537         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ) </td <td></td> <td></td> <td></td> <td></td>				
R521         7030003680         S.RESISTOR         ERJ3GEFY 104 V (100 kΩ)           R522         7030003400         S.RESISTOR         ERJ3GEFY 102 V (1 kΩ)           R524         7030003400         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R525         7030003400         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R526         7030003400         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R527         7030003400         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R528         7030003400         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R529         7030003500         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R530         7030003700         S.RESISTOR         ERJ3GEFY 103 V (10 kΩ)           R531         7030003400         S.RESISTOR         ERJ3GEFY 102 V (1 kΩ)           R532         7030003401         S.RESISTOR         ERJ3GEFY 112 V (1 kΩ)           R533         7030003400         S.RESISTOR         ERJ3GEFY 112 V (1 kΩ)           R534         7030003400         S.RESISTOR         ERJ3GEFY 1102 V (1 kΩ)           R535         7030003400         S.RESISTOR         ERJ3GEFY 102 V (1 kΩ)           R541         7030003400         S.RESISTOR         ERJ3GEFY 102 V (1 kΩ)			ł	ERJ3GEYJ 104 V (100 kΩ)
R522         7030003400         S.RESISTOR         ER.J32KJ4R7H (4.7 Ω)           R524         7030003400         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R526         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R526         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R527         7030003400         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R528         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R529         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R531         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R532         7030003500         S.RESISTOR         ER.J3GEYJ 103 V (10 kΩ)           R533         7030003600         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R534         7030003600         S.RESISTOR         ER.J3GEYJ 182 V (18 kΩ)           R535         7030003600         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R534         7030003400         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R537         7030003400         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ)           R538         7030003400         S.RESISTOR         ER.J3GEYJ 102 V (1 kΩ	R520	7030003400		
R524         7030003400   S. RESISTOR PRIJAGEY J 102 V (1 kΩ)           R524         7030003400   S. RESISTOR PRIJAGEY J 102 V (10 kΩ)           R525         7030003400   S. RESISTOR PRIJAGEY J 103 V (10 kΩ)           R526         7030003400   S. RESISTOR PRIJAGEY J 103 V (10 kΩ)           R527         7030003400   S. RESISTOR PRIJAGEY J 103 V (10 kΩ)           R528   7030003400   S. RESISTOR PRIJAGEY J 103 V (10 kΩ)           R529   7030003500   S. RESISTOR PRIJAGEY J 103 V (10 kΩ)           R530   7030003500   S. RESISTOR PRIJAGEY J 123 V (15 kΩ)           R531   7030003500   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R532   7030003500   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R533   7030003400   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R534   7030003500   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R535   7030003500   S. RESISTOR PRIJAGEY J 223 V (22 kΩ)           R536   7030003400   S. RESISTOR PRIJAGEY J 223 V (22 kΩ)           R537   7030003500   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R538   7030003400   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R540   7030003400   S. RESISTOR PRIJAGEY J 122 V (1 kΩ)           R541   7030003400   S. RESISTOR PRIJAGEY J 120 V (1 kΩ)           R542   7030003740   S. RESISTOR PRIJAGEY J 130 V (10 kΩ)           R543   703000360   S. RESISTOR PRIJAGEY J 130 V (10 kΩ)           R544   703000360   S. RESISTOR PRIJAGEY J 130 V (10 kΩ)           R545				` ' I
R525         7030003400         S RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R526         7030003400         S RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R528         7030003400         S RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R528         7030003500         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R529         7030003500         S RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R530         7030003500         S RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R531         7030003500         S RESISTOR         ERJ3GEYJ 172 V (4.7 kΩ)           R533         7030003500         S RESISTOR         ERJ3GEYJ 172 V (4.7 kΩ)           R534         7030003400         S RESISTOR         ERJ3GEYJ 182 V (1.8 kΩ)           R535         7030003400         S RESISTOR         ERJ3GEYJ 182 V (1.8 kΩ)           R536         7030003400         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R537         7030003400         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R538         7030003400         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R539         7030003400         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R530         7030003400         S RESISTOR         ERJ3GEYJ 102 V (1 kΩ)	1 3		[ : .	
R525         7030003400         S RESISTOR         ERJ3GEY J 17 V (470 Q)           R526         7030003560         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R527         7030003400         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R529         7030003500         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R530         7030003500         S RESISTOR         ERJ3GEY J 472 V (4.7 kΩ)           R531         7030003500         S RESISTOR         ERJ3GEY J 153 V (15 kΩ)           R532         7030003400         S RESISTOR         ERJ3GEY J 152 V (15 kΩ)           R534         7030003400         S RESISTOR         ERJ3GEY J 152 V (15 kΩ)           R535         7030003500         S RESISTOR         ERJ3GEY J 182 V (18 kΩ)           R535         7030003500         S RESISTOR         ERJ3GEY J 122 V (12 kΩ)           R537         7030003500         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R540         7030003400         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R541         7030003400         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R542         7030003760         S RESISTOR         ERJ3GEY J 102 V (1 kΩ)           R543         7030003600         S RESISTOR         ERJ3GEY J 102 V (1				
R528			S.RESISTOR	
R528         7030003560         S.RESISTOR         ER.J3GEY.J 472 V (4.7 kg)           R530         7030003720         S.RESISTOR         ER.J3GEY.J 103 V (10 kg)           R531         7030003720         S.RESISTOR         ER.J3GEY.J 224 V (220 kg)           R532         7030003520         S.RESISTOR         ER.J3GEY.J 153 V (15 kg)           R533         7030003400         S.RESISTOR         ER.J3GEY.J 162 V (1 kg)           R536         7030003400         S.RESISTOR         ER.J3GEY.J 122 V (2 kg)           R536         7030003400         S.RESISTOR         ER.J3GEY.J 223 V (22 kg)           R536         7030003400         S.RESISTOR         ER.J3GEY.J 222 V (2 kg)           R537         7030003400         S.RESISTOR         ER.J3GEY.J 102 V (1 kg)           R538         7030003400         S.RESISTOR         ER.J3GEY.J 102 V (1 kg)           R540         7030003400         S.RESISTOR         ER.J3GEY.J 101 V (100 Ω)           R541         7030003400         S.RESISTOR         ER.J3GEY.J 101 V (100 Ω)           R542         703000340         S.RESISTOR         ER.J3GEY.J 103 V (10 kG)           R543         703000350         S.RESISTOR         ER.J3GEY.J 103 V (10 kG)           R546         703000360         S.RESISTOR         ER.J			}	` '
R529   7030003560   S.RESISTOR   ER.J3GEYJ 103 V (10 kΩ)	1 1			
R530         7030003520         S.RESISTOR         ERJ3GEYJ 224 V (226 kΩ)           R531         7030003520         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R532         7030003400         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R534         7030003400         S.RESISTOR         ERJ3GEYJ 182 V (18 kΩ)           R535         7030003400         S.RESISTOR         ERJ3GEYJ 182 V (18 kΩ)           R536         7030003500         S.RESISTOR         ERJ3GEYJ 182 V (18 kΩ)           R537         7030003500         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R538         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R540         7030003740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R541         7030003740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R543         7030003740         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R544         7030003760         S.RESISTOR         ERJ3GEYJ 301 V (1 kΩ)           R545         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				
R532			i e	
R533         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R535         7030003400         S.RESISTOR         ERJ3GEYJ 182 V (1.8 kΩ)           R536         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R537         7030003400         S.RESISTOR         ERJ3GEYJ 222 V (82 kΩ)           R538         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R540         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R541         7030003401         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R541         7030003402         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R542         7030003500         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R543         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R544         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R545         703000360         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R546         703000360         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R547         703000360         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R548         703000340         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ) </td <td>R531</td> <td>7030003520</td> <td>1</td> <td></td>	R531	7030003520	1	
R534				
R536         7030003400         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R537         7030003500         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R538         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R539         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R540         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R541         7030003740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R541         7030003740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R542         7030003580         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R543         703000360         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R546         703000360         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R547         703000360         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         703000360         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R549         703000360         S.RESISTOR         ERJ3GEYJ 107 V (47 kΩ)           R551         703000360         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R552         703000350         S.RESISTOR         ERJ3GEYJ 107 V (10 kΩ)				, ,
R536				
R538   7030003440   S.RESISTOR		7030003600	· ·	ERJ3GEYJ 223 V (22 kΩ)
R539   7030003440   S.RESISTOR				
R540         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R541         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R542         703000340         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R543         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R545         7030003660         S.RESISTOR         ERJ3GEYJ 174 V (470 kΩ)           R546         7030003660         S.RESISTOR         ERJ3GEYJ 803 V (68 kΩ)           R548         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R549         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R550         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003550         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R552         7030003550         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003600         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R556         7030003480         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R558         7030003480         S.RESISTOR         ERJ3GEYJ 172 V (4.7 kΩ)				` '
R541   7030003440   S.RESISTOR				
R543         7030003580         S.RESISTOR         ERJ3GEYJ 153 V (15 kΩ)           R545         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R545         7030003600         S.RESISTOR         ERJ3GEYJ 474 V (470 kΩ)           R546         7030003600         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R547         7030003600         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R550         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         703000350         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R552         703000350         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R553         703000350         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         703000360         S.RESISTOR         ERJ3GEYJ 105 V (1 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R556         7030003400         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)				ERJ3GEYJ 102 V (1 kΩ)
R544         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R546         7030003660         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R547         7030003660         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R550         7030003640         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R551         7030003320         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R551         703000350         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R552         703000350         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R553         7030003640         S.RESISTOR         ERJ3GEYJ 105 V (1 kΩ)           R554         703000360         S.RESISTOR         ERJ3GEYJ 105 V (1 kΩ)           R555         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R556         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R557         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 172 V (4.7 kΩ)	1 ;			
R545         7030003760         S.RESISTOR         ERJ3GEYJ 474 V (470 kΩ)           R546         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R550         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003550         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R552         7030003550         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R553         7030003640         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003600         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R555         7030003600         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R556         7030003800         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R558         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R569         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)				• • • • • • • • • • • • • • • • • • • •
R546         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R548         7030003660         S.RESISTOR         ERJ3GEYJ 683 V (68 kΩ)           R549         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R550         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003350         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R552         703000350         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R553         703000350         S.RESISTOR         ERJ3GEYJ 103 V (12 kΩ)           R554         703000360         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R555         7030003300         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         7030003320         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R557         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R558         7030003400         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R560         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (47 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003360         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ) <td>1</td> <td></td> <td></td> <td>, , ,</td>	1			, , ,
R548         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R559         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003320         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R552         7030003350         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R553         7030003550         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003640         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R558         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003400         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R566         7030003500         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ) <td>,</td> <td></td> <td></td> <td></td>	,			
R549         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R550         703000320         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003250         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R552         7030003570         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R553         7030003570         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003640         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         703003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R558         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         703000340         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         703000340         S.RESISTOR         ERJ3GEYJ 101 V (100 kΩ)           R564         703000340         S.RESISTOR         ERJ3GEYJ 101 V (100 kΩ)           R565         703000340         S.RESISTOR         ERJ3GEYJ 101 V (100 kΩ)				
R550         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R551         7030003550         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R553         7030003570         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003640         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         703000340         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R558         7030003520         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R551         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         703000340         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R564         703000340         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R565         7030003530         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)				
R551         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R552         7030003570         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003640         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R556         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R557         7030003640         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R558         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R558         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         703000360         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         703000360         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R565         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)	e i			` '
R553         7030003570         S.RESISTOR         ERJ3GEYJ 123 V (12 kΩ)           R554         7030003600         S.RESISTOR         ERJ3GEYJ 173 V (47 kΩ)           R555         7030003320         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R557         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R558         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R560         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R563         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R564         703000340         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R565         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         703000330         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         703000350         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R568         7030003610         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)	3			
R554         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R555         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         703000340         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R563         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         703000340         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R565         703000350         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R567         703000350         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R568         703000350         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R569         703000360         S.RESISTOR         ERJ3GEYJ 30 V (47 kΩ)           R571         7030003400         S.RESISTOR         ERJ3GEYJ 30 V (47 kΩ)	· .			
R555         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R556         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R564         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (100 kΩ)           R565         7030003400         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R566         7030003530         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         7030003630         S.RESISTOR         ERJ3GEYJ 362 V (5.6 kΩ)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R571         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (47 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ) <th>1</th> <th></th> <th></th> <th>· ' '</th>	1			· ' '
R556         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R557         7030003480         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R558         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R560         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         703000320         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R565         7030003490         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R571         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (1 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ) </th <th>1</th> <th></th> <th></th> <th></th>	1			
R558         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R560         7030003480         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R563         7030003480         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R564         7030003490         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R565         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R566         7030003530         S.RESISTOR         ERJ3GEYJ 362 V (5.6 kΩ)           R568         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R569         7030003530         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R574         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R575         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ				
R559         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R560         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R564         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R565         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003530         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 362 V (5.6 kΩ)           R568         7030003530         S.RESISTOR         ERJ3GEYJ 372 V (2.7 kΩ)           R568         7030003530         S.RESISTOR         ERJ3GEYJ 372 V (5.6 kΩ)           R568         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R571         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R574         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R575         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ) <th>R557</th> <th></th> <th>S.RESISTOR</th> <th>` '</th>	R557		S.RESISTOR	` '
R560         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R561         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         7030003490         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 362 V (5.6 kΩ)           R568         7030003530         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 362 V (5.6 kΩ)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R571         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R574         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R576         7030003540         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ			*	
R561         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R562         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003640         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R565         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R568         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R569         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 373 V (47 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R574         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003520         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 382 V (8.2 kΩ)           R578         7030003560         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)				
R562         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R563         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R564         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R565         7030003490         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003530         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R568         7030003400         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R571         703000340         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R574         703000350         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         703000350         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R576         703000350         S.RESISTOR         ERJ3GEYJ 301 V (100 Ω)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)				
R564         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R565         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R568         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003610         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R574         7030003630         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R576         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R579         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R581         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ) <td></td> <td></td> <td></td> <td>ERJ3GEYJ 102 V (1 kΩ)</td>				ERJ3GEYJ 102 V (1 kΩ)
R565         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R566         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R568         7030003400         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R576         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R581         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 171 V (470 Ω)<				
R566         7030003490         S.RESISTOR         ERJ3GEYJ 272 V (2.7 kΩ)           R567         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R568         7030003630         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R572         7310002740         S.TRIMMER         RV-150           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003500         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003500         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R576         7030003500         S.RESISTOR         ERJ3GEYJ 392 V (8.2 kΩ)           R577         7030003500         S.RESISTOR         ERJ3GEYJ 382 V (8.2 kΩ)           R578         7030003500         S.RESISTOR         ERJ3GEYJ 101 V (100 kΩ)           R579         7030003500         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R581         7030003500         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)	: :			· · · · · · · · · · · · · · · · · · ·
R567         7030003530         S.RESISTOR         ERJ3GEYJ 562 V (5.6 kΩ)           R568         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R569         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R572         7310002740         S.TRIMMER         RV-150           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R576         7030003520         S.RESISTOR         ERJ3GEYJ 392 V (8.2 kΩ)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R578         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R581         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 37 V (47 kΩ)           R583         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)	1			
R569         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R574         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R575         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R576         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (27 kΩ)           R578         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R579         7030003540         S.RESISTOR         ERJ3GEYJ 393 V (28 kΩ)           R580         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 Ω)           R581         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R584         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)				ERJ3GEYJ 562 V (5.6 kΩ)
R570         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R571         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R572         7310002740         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003550         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003540         S.RESISTOR         ERJ3GEYJ 392 V (8.2 kΩ)           R576         7030003240         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R578         7030003540         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R581         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R583         7030003400         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R584         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R589         7030003610         S.RESISTOR         ERJ3GEYJ 224 V (220 k				, ,
R571         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R572         7310002740         S.TRIMMER         RV-150           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 392 V (8.2 kΩ)           R576         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R578         7030003680         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R581         7030003500         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R584         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003610         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)	1 3			
R572         7310002740         S.TRIMMER         RV-150           R573         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R574         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 822 V (8.2 kΩ)           R576         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 κΩ)           R578         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R583         7030003400         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R586         7030003610         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R589         7030003610         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)				, ,
R574         7030003630         S.RESISTOR         ERJ3GEYJ 393 V (39 kΩ)           R575         7030003550         S.RESISTOR         ERJ3GEYJ 822 V (8.2 kΩ)           R576         7030003520         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R578         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R583         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R589         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003610         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ) <td>R572</td> <td>7310002740</td> <td>S.TRIMMER</td> <td>RV-150</td>	R572	7310002740	S.TRIMMER	RV-150
R575         7030003550         S.RESISTOR         ERJ3GEYJ 822 V (8.2 kΩ)           R576         703000320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R578         7030003560         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003400         S.RESISTOR         ERJ3GEYJ 202 V (1 kΩ)           R589         7030003600         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003610         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003610         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ) </td <td></td> <td></td> <td></td> <td></td>				
R576         7030003320         S.RESISTOR         ERJ3GEYJ 101 V (100 Ω)           R577         7030003540         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R578         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 471 V (150 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R586         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003600         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R591         7030003600         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ				
R577         7030003540         S.RESISTOR         ERJ3GEYJ 682 V (6.8 kΩ)           R578         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R586         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003660         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)				, ,
R579         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R580         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R586         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)				ERJ3GEYJ 682 V (6.8 kΩ)
R580         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003400         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R583         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R589         7030003640         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003660         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)				
R581         7030003400         S.RESISTOR         ERJ3GEYJ 471 V (470 Ω)           R582         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R583         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R589         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)				
R582         7030003700         S.RESISTOR         ERJ3GEYJ 154 V (150 kΩ)           R583         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R584         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R586         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)	: ;			
R584         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R586         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)	; ;			` '
R586         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)	R583			
R589         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R591         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R592         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R593         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R594         7030003610         S.RESISTOR         ERJ3GEYJ 273 V (27 kΩ)           R595         7030003480         S.RESISTOR         ERJ3GEYJ 273 V (22 kΩ)				
R591       7030003480       S.RESISTOR       ERJ3GEYJ 222 V (2.2 kΩ)         R592       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R593       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R594       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R595       7030003480       S.RESISTOR       ERJ3GEYJ 222 V (2.2 kΩ)				,
R592       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R593       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R594       7030003610       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         R595       7030003480       S.RESISTOR       ERJ3GEYJ 273 V (27 kΩ)         ERJ3GEYJ 273 V (27 kΩ)       ERJ3GEYJ 273 V (27 kΩ)       ERJ3GEYJ 273 V (27 kΩ)				• • • • • • • • • • • • • • • • • • • •
R594 7030003610 S.RESISTOR ERJ3GEYJ 273 V (27 kΩ) R595 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	R592	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R595 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	1			
R597   7030003610   S.RESISTOR	1 3	7030003480	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R598   7030003480   S.RESISTOR   ERJ3GEYJ 222 V (2.2 kΩ)	R598			
R599   7030003440   S.RESISTOR   ERJ3GEYJ 102 V (1 kΩ)	R599	7030003440	S.RESISTOR	EHJ3GEYJ 102 V (1 kΩ)

### [MAIN UNIT]

REF NO.	ORDER NO.		DESCRIPTION
R600	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R601	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R602	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R603	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R604 R605	7030003680 7510000770	S.RESISTOR S.THERMISTOR	ERJ3GEYJ 104 V (100 kΩ) NTCCS2012 3SH 223KC-T
R606	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R607	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R609	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R610 R611	7030003560 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R612	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
R614	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R615	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R617 R618	7310002800 7310002800	S.TRIMMER S.TRIMMER	RV-156 RV-156
R619	7310002800	S.TRIMMER	RV-156
R620	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R621 R622	7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R623	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 225 V (2.2 MΩ)
R624	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R626	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R627 R628	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R630	7030003200	S.RESISTOR S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 225 V (2.2 ΜΩ)
R631	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R632	7030003780	S.RESISTOR	ERJ3GEYJ 684 V (680 kΩ)
R633 R634	7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 105 V (1 ΜΩ)
R635	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R636	7310002740	S.TRIMMER	RV-150
R637	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R638 R639	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R641	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R642	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R643 R644	7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 103 V (10 kΩ)
R645	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R651	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R652 R653	7030003800	S.RESISTOR S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ) ERJ3GEYJ 104 V (100 kΩ)
R701	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R702	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R703 R704	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R705	7030003080	S.RESISTOR	ERJ3GEYJ 101 V (100 k2)
R706	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R751	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R752 R753	7030003360 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 221 V (220 Ω)
R754	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R755	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R756 R757	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R801	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R802	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R803 R804	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R805	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R806	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R807 R809	7030003520 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R810	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R811	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R812	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R813 R814	7030003640 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R815	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R816	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R817 R818	7030003620 7030003540	S.RESISTOR S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 682 V (6.8 kΩ)
R819	7030003340	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R820	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R821 R822	7030003580 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R823	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R824	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R825 R826	7030003680 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R826	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 473 V (47 kΩ)
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REF	ORDER		DESCRIPTION
NO. R828	NO. 7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R829	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R830	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R831	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R832	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R833 R834	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 221 V (220 Ω)
R835	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R836	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R837	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R838 R839	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 473 V (47 kΩ)
R840	7030003040	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R841	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R842	7030003640	1	ERJ3GEYJ 473 V (47 kΩ)
R843 R844	7030003640 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R845	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R846	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R847	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R848	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R849 R850	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R851	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R852	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R853	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R854 R855	7030003520 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R856	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R857	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R858	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R859	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R860 R861	7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R862	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R863	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R864	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R865 R866	7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R867	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R868	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R869	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R870 R871	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R872	7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R873	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R874	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R875 R876	7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R877	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R878	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R879	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R880	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R881 R882	7030003640 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R883	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R884	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R885	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R886 R887	7030003520 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)
R888	7030003320	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R889	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R890	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R891 R892	7030003520 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R893	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R894	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R895	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R896	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R897 R898	7030003720 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R899	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R900	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R901	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R902 R903	7030003720 7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 474 V (470 kΩ)
R904	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R905	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R907	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R908	7030003640	S.RESISTOR	ERJ3GEY J 473 V (47 kΩ)
R909 R910	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
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			S.=Surface mount

C110

C111

C112

C113

C114

C151

C152

C153

4030007150

4030007050

4510004640

4030011600

4510004630

4510005810

4510005810

4550003250

S.CERAMIC

S.CERAMIC

S.CERAMIC

S ELECTROLYTIC

S.ELECTROLYTIC

S.ELECTROLYTIC S.ELECTROLYTIC

S.TANTALUM

C1608 CH 1H 151J-T-A

C1608 CH 1H 220J-T-A

ECEV1CA470SP C1608 JB 1C 104KT-N

ECEV1CA100SR

ECEV1HAR47R

TEMSVA 1V 474M-8L

#### REF **ORDER** DESCRIPTION NO. NO. ERJ3GEYJ 102 V (1 kΩ) R911 7030003440 S.RESISTOR R912 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R913 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R914 7030003800 S.RESISTOR ERJ3GEYJ 105 V (1 MΩ) R915 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) R916 **R917** 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R918 R919 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R920 R921 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) 7030003400 S.RESISTOR ERJ3GEYJ 471 V (470 Ω) R922 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R923 7030003720 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R924 R925 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) 7030003720 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R926 7030003360 S.RESISTOR ERJ3GEYJ 221 V (220 Ω) R927 7030003600 ERJ3GEYJ 223 V (22 kΩ) R928 S.RESISTOR R929 7030003600 S.RESISTOR ERJ3GEYJ 223 V (22 kΩ) 7030007660 S.RESISTOR RR0816P-331-D (330 Ω) R930 S.RESISTOR RR0816P-561-D (560 Ω) R931 7030006520 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R932 R933 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R934 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R936 7030003440 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R937 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) C1 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C2 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C3 S.CERAMIC C1608 JB 1H 472K-T-A C4 4030006880 C51 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C53 4510005810 S.ELECTROLYTIC ECEV1HAR47R C54 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C56 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C57 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4550006480 S.TANTALUM TEMSVA 1C 475M-8L C58 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C60 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C61 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C62 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C63 C64 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C65 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C66 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C67 C68 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C69 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C70 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C71 C72 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C73 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C74 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C75 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C77 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A C78 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C79 4030006880 S.CERAMIC C80 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C81 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C82 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N C83 4030011600 S.CERAMIC C84 4030007030 S.CERAMIC C1608 CH 1H 150J-T-A C86 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030011280 S.CERAMIC C1608 CH 1H 271J-T-A C87 C101 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C102 4030006930 S.CERAMIC C1608 CH 1H 020C-T-A C103 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C104 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C105 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C106 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C107 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C108 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A ECEV1CA220SR C109 4510005310 S.ELECTROLYTIC

#### [MAIN UNIT]

REF   OND	INIAIN	UNIT]		
C201				DESCRIPTION
C2014	C201	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C204         4510004440         SELECTROLYTIC         ECEV1HAD10SR           C205         430001600         S.CERAMIC         C1608 JB IC 104KT-N           C207         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C208         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C201         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C211         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C212         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C214         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C214         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C215         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C216         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C217         403000880         S.CERAMIC         C1608 JB IC 104KT-N           C221         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C222         4030007170         S.CERAMIC         C1608 JB IC 104KT-N           C222         403000780         S.CERAMIC         C1608 JB IC 104KT-N           C222         451000580				
C205         4510004440         S.ELECTROLYTIC         ECEVIHAD10SR           C206         403001600         S.CERAMIC         C1608 JB It C 104KT-N           C207         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C210         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C211         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C212         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C214         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C215         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C216         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C217         4030006880         S.CERAMIC         C1608 JB IC 104KT-N           C218         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C221         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C221         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C222         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C222         4030001600         S.CERAMIC         C1608 JB IC 104KT-N           C222         40300068				
C206         4039011600         S.CERAMIC         C1608 JB 1C 104KT-N           C207         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C209         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C210         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C211         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C214         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C215         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C216         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C216         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C217         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C218         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C221         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C222         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C222         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C222         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C223         4030001	1 1			, ,
C205				
C201	. ,			
C211	C208	4030011600	S.CERAMIC	
6211         4030011600         S.CERAMIC         C1608 JB 16 104KT-N           6214         4030011330         S.CERAMIC         C1608 JB 16 104KT-N           6216         403001600         S.CERAMIC         C1608 JB 16 104KT-N           6217         4030001600         S.CERAMIC         C1608 JB 16 104KT-N           6218         403001600         S.CERAMIC         C1608 JB 16 104KT-N           6219         403001600         S.CERAMIC         C1608 JB 16 104KT-N           6220         4030011600         S.CERAMIC         C1608 JB 16 104KT-N           6221         403001600         S.CERAMIC         C1608 JB 16 104KT-N           6222         4030006880         S.CERAMIC         C1608 JB 16 104KT-N           6223         4030006880         S.CERAMIC         C1608 JB 16 104KT-N           6224         4030006880         S.CERAMIC         C1608 JB 16 104KT-N           6225         4030006880         S.CERAMIC         C1608 JB 16 1472K-T-A           6226         403000680         S.CERAMIC         C1609 JB 14 472K-T-A           6227         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           6233         403001600         S.CERAMIC         C1609 JB 14 472K-T-A           6234         4030001600				
C214         4030011800         S.CERAMIC         C1608 JB 1C 104KT-N           C215         4030010800         S.CERAMIC         C1608 JB 1H 472K-T-A           C216         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C217         403001600         S.CERAMIC         C1608 JB 1H 472K-T-A           C219         4030011600         S.CERAMIC         C1608 JB 1H 472K-T-A           C220         4030011600         S.CERAMIC         C1608 JB 1H 472K-T-A           C221         4030001600         S.CERAMIC         C1608 JB 1H 472K-T-A           C222         4030007170         S.CERAMIC         C1608 JB 1H 472K-T-A           C223         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C224         4510005800         S.ELECTROLYTIC         ECEV11A2R2SR           C225         4030006880         S.ELECTROLYTIC         ECEV11A2R2SR           C228         4510005800         S.ELECTROLYTIC         ECEV1CA100SR           C231         4510005800         S.ELECTROLYTIC         ECEV1CA100SR           C232         4030006880         S.ELECTROLYTIC         ECEV1CA100SR           C233         4510004600         S.CERAMIC         C1608 JB 1H 472K-T-A           C234         4030001600				
C215				
6216         4030001600         S.CERAMIC         C1608 JB 11 104KT-N           C218         4030006880         S.CERAMIC         C1608 JB 11 472K-T-A           C219         403001600         S.CERAMIC         C1608 JB 11 C104KT-N           C220         4030011600         S.CERAMIC         C1608 JB 11 C104KT-N           C221         403001600         S.CERAMIC         C1608 JB 11 C104KT-N           C222         4030006880         S.CERAMIC         C1608 JB 11 C104KT-N           C223         4030006880         S.CERAMIC         C1608 JB 11 A27K-T-A           C226         4030006880         S.CERAMIC         C1608 JB 11 A27K-T-A           C226         4030006880         S.CERAMIC         C1608 JB 11 A27K-T-A           C228         4510006301         S.ELECTROLYTIC         ECEV1LA2R2SR           C230         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C231         4510004630         S.CERAMIC         C1608 JB 11 A72K-T-A           C233         403001600         S.CERAMIC         C1608 JB 11 C104KT-N           C234         4030006880         S.CERAMIC         C1608 JB 11 C104KT-N           C235         403001600         S.CERAMIC         C1608 JB 11 C104KT-N           C240         40				
C218				
C219			_	
C229				
C221			i '	
C222	C220	4030011600		
C224				
C225				
C226				
C229				
C229         4510004630         S.ELECTROLYTIC         ECEVICA100SR           C231         4510004630         S.ELECTROLYTIC         ECEVICA20SR           C232         4030006880         S.CERAMIC         C1608 JB IT C104KT-N           C234         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C235         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C236         4030006880         S.CERAMIC         C1608 JB IC 104KT-N           C237         4030006800         S.CERAMIC         C1608 JB IC 104KT-N           C238         4030006800         S.CERAMIC         C1608 JB IC 104KT-N           C239         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C240         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C241         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C242         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C254         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C254         403001600	C226			1
C230			i -	
C231         4510004630         S.ELECTROLYTIC         ECEVICA100SR           C232         4030011600         S.CERAMIC         C1608 JB H C 104KT-N           C234         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C235         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C236         4030006880         S.CERAMIC         C1608 JB IC 104KT-N           C237         4030001600         S.CERAMIC         C1608 JB IH 472K-T-A           C238         403001600         S.CERAMIC         C1608 JB IH 472K-T-A           C249         4510004630         S.ELECTROLYTIC         ECEVICA100SR           C241         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C2424         4030006890         S.CERAMIC         C1608 JB IC 104KT-N           C243         4510004650         S.ELECTROLYTIC         ECEVILCA100SR           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C254         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C255         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C256         4030006880				
C232         40300016800         S.CERAMIC         C1608 JB 1H 472K-T-A           C234         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C234         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C235         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C237         403000680         S.CERAMIC         C1608 JB 1H 472K-T-A           C238         403001600         S.CERAMIC         C1608 CH 1H 101J-T-A           C240         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C241         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C242         4030006800         S.CERAMIC         C1608 JB 1C 104KT-N           C243         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C244         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C254         403001600<				
C234				
C236         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C237         4030006880         S.CERAMIC         C1608 BB IH 472K-T-A           C238         4030006880         S.CERAMIC         C1608 BB IH 472K-T-A           C239         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C240         4510004630         S.ELECTROLYTIC         CECEVICA100SR           C241         4030006890         S.CERAMIC         C1608 JB IC 104KT-N           C243         4510004650         S.CERAMIC         C1608 JB IC 104KT-N           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C244         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C249         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C253         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C254         403001600         S.CERAMIC         C1608 JB IC 104KT-N           C255         40300068			1	
C236			l .	
C237         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C238         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C240         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C241         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C242         4030006900         S.ELECTROLYTIC         ECEV1EA4R7SR           C243         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C244         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C256         4030011600	•			
C238         4030016800         S.CERAMIC         C1608 JB 1H 472K-T-A           C239         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C241         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C242         4030006900         S.CERAMIC         C1608 JB 1C 104KT-N           C243         4510004650         S.CERAMIC         C1608 JB 1E 103K-T-A           C244         4030011600         S.CERAMIC         C1608 JB 1H 472K-T-A           C244         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         4030011600         S.CERAMIC         C1608 JB 1H 472K-T-A           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C254         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C259         403				
C240         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C241         403001600         S.CERAMIC         C1608 JB 1E 103K·T·A           C242         4030006900         S.CERAMIC         C1608 JB 1E 103K·T·A           C246         4030006880         S.CERAMIC         C1608 JB 1E 103K·T·A           C246         403001600         S.CERAMIC         C1608 JB 1C 104KT·N           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT·N           C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT·N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT·N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT·N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT·N           C253         4510004630         S.LELCTROLYTIC         ECEV1CA100SR           C254         4030006880         S.CERAMIC         C1608 JB 1H 472K·T·A           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K·T·A           C256         403001600         S.CERAMIC         C1608 JB 1C 104KT·N           C254         403001600         S.CERAMIC         C1608 JB 1C 104KT·N           C262         403001600	C238	4030006880	S.CERAMIC	
C241         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C243         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C246         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C247         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C256         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C257         4510004630         S.ELECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600	1			1
C242         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A           C246         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C247         4030011600         S.CERAMIC         C1608 JB 1H 472K-T-A           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         403007050         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C256         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C258         4510004630         S.ELECTROLYTIC         ECEV1CA00SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600 <th></th> <th></th> <th></th> <th></th>				
C243         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C246         4030001600         S.CERAMIC         C1608 JB 1H 472K-T-A           C247         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         403001600         S.CERAMIC         C1608 JB 1H 472K-T-A           C255         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600 <th></th> <th></th> <th>1</th> <th></th>			1	
C247         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.CERAMIC         C1608 CH 1H 220J-T-A           C254         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C254         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C256         403001660         S.ELECTROLYTIC         ECEV1CA100SR           C257         4510004650         S.ELECTROLYTIC         ECEV1CA100SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600<				
C248         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C253         4510004630         S.CERAMIC         C1608 JB 1C 104KT-N           C254         403001600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.CERAMIC         C1608 JB 1C 104KT-N           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         451000	3		1	
C249         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C258         4510004630         S.CERAMIC         C1608 JB 1C 104KT-N           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         451000	•			
C250         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C251         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C252         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C253         4510004630         S.EECTROLYTIC         ECEV1CA100SR           C254         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.EECTROLYTIC         ECEV1CA100SR           C257         4510004650         S.EECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510004630         S.ELECTROLYTIC         ECEV1AA010SR           C304         4510004630	1		1	
C252         4030007050         S.CERAMIC         C1608 CH 1H 220J-T-A           C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C258         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510004630         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.CERAMIC         C1608 JB 1H 122K-T-A           C306         4030006880 </th <th></th> <th></th> <th>l .</th> <th></th>			l .	
C253         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C254         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510004630         S.ELECTROLYTIC         ECEV1LA010SR           C304         451000440         S.ELECTROLYTIC         ECEV1HA010SR           C305         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C306         4030006880 </th <th></th> <th>ł</th> <th></th> <th></th>		ł		
C254         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510004630         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004400         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.CERAMIC         C1608 JB 1H 102K-T-A           C306         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C310         40300068				
C255         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C258         4510004630         S.ELECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.CERAMIC         C1608 JB 1H 102K-T-A           C308         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         403000688				
C256         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C257         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C258         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.CERAMIC         C1608 JB 1H 102K-T-A           C308         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 CH 1H 121J-T-A           C310         4030006880 </th <td></td> <td>I</td> <td>ł</td> <td></td>		I	ł	
C258         4510004650         S.ELECTROLYTIC         ECEV1EA4R7SR           C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.CERAMIC         C1608 JB 1H 102K-T-A           C306         4030006870         S.CERAMIC         C1608 JB 1H 222K-T-A           C307         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 CH 1H 150J-T-A           C312         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         403000		4030006880		
C259         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         4030006870         S.CERAMIC         C1608 JB 1H 102K-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C313         4030006880         S.CERAMIC         C1608 CH 1H 150J-T-A           C314         4030007150		I		
C260         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004400         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         4030006880         S.CERAMIC         C1608 JB 1H 102K-T-A           C307         4030006880         S.CERAMIC         C1608 CH 1H 121J-T-A           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 CH 1H 150J-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 151J-T-A           C313         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         403000		i e		
C261         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C262         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1LAR22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1HAR22SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         4030006870         S.CERAMIC         C1608 JB 1H 102K-T-A           C308         4030006880         S.CERAMIC         C1608 JB 1H 22ZK-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 JB 1H 472K-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         40300071			1	
C263         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HA22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C307         403006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C308         4030006870         S.CERAMIC         C1608 JB 1H 222K-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030006880         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         40300071	1	4030011600	1	C1608 JB 1C 104KT-N
C301         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1HA010SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         403006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C307         4030006870         S.CERAMIC         C1608 JB 1H 222K-T-A           C308         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 CH 1H 121J-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         403000				
C302         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1HAR22SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         403006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C307         4030006870         S.CERAMIC         C1608 JB 1H 222K-T-A           C308         4030007140         S.CERAMIC         C1608 JB 1H 222K-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007303         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 CH 1H 150J-T-A           C318         45100		1	1	
C303         4510005740         S.ELECTROLYTIC         ECEV1HAR22SR           C304         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C305         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C306         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C307         4030006870         S.CERAMIC         C1608 CH 1H 121J-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 JB 1H 472K-T-A           C313         4030006880         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030006880         S.CERAMIC         C1608 CH 1H 151J-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         461000	1	ì	§	
C305 4510004440 S.ELECTROLYTIC ECEV1HA010SR C306 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C307 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C308 4030007140 S.CERAMIC C1608 CH 1H 121J-T-A C310 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C311 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C312 4030007030 S.CERAMIC C1608 JB 1H 472K-T-A C313 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C314 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C315 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C316 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C317 4030006880 S.CERAMIC C1608 CH 1H 151J-T-A C318 4510004630 S.CERAMIC C1608 CH 1H 151J-T-A C319 4610002070 S.TRIMMER C1608 JB 1H 472K-T-A C320 4030007100 S.CERAMIC C1608 CH 1H 560J-T-A C322 4030007100 S.CERAMIC C1608 CH 1H 680J-T-A C323 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C324 4030006890 S.CERAMIC C1608 JB 1H 472K-T-A C324 4030006890 S.CERAMIC C1608 JB 1H 472K-T-A		4510005740	S.ELECTROLYTIC	ECEV1HAR22SR
C306		ł		
C307         4030006870         S.CERAMIC         C1608 JB 1H 222K-T-A           C308         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007100         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4		£	1	1
C308         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C309         4510004440         S.ELECTROLYTIC         ECEV1HA010SR           C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 CH 1H 151J-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 CH 1H 680J-T-A           C324         4	•	ł		
C310         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030006800         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006800         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		ŀ	t	
C311         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007100         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		1		
C312         4030007030         S.CERAMIC         C1608 CH 1H 150J-T-A           C313         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007100         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		3	t .	
C313         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C314         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C315         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		ł		
C314		t	£	· · · · · · · · · · · · · · · · · · ·
C316         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         403000710         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		•	S.CERAMIC	C1608 CH 1H 151J-T-A
C317         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A	C315		3	
C318         4510004630         S.ELECTROLYTIC         ECEV1CA100SR           C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A		3	1 .	
C319         4610002070         S.TRIMMER         CTZ3S-30C-W1-P-A           C320         4030007100         S.CERAMIC         C1608 CH 1H 560J-T-A           C322         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C323         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C324         4030006900         S.CERAMIC         C1608 JB 1E 103K-T-A	3	:	1	
C320		I .		
C323 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C324 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A	C320	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C324 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A	1	3	1	
		1	1	
				S.=Surface mount

C564

4030011600

S CERAMIC

C1608 JB 1C 104KT-N

#### REF ORDER DESCRIPTION NO. NO. C325 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C327 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C328 4510004630 S.ELECTROLYTIC ECEV1CA100SR C329 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C338 SCERAMIC C340 4030011600 C1608 JB 1C 104KT-N C341 4030011600 S CERAMIC C1608 JB 1C 104KT-N 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A C342 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A C343 4030006900 | S.CERAMIC C344 C1608 JB 1F 103K-T-A 4030007130 S.CERAMIC C345 C1608 CH 1H 101J-T-A C346 4030011600 S CERAMIC C1608 JB 1C 104KT-N C347 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C348 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A C350 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C352 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C353 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C354 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4510004440 | S.ELECTROLYTIC C355 ECEV1HA010SR C356 4510004440 S.ELECTROLYTIC ECEV1HA010SR C357 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C401 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C402 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C403 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A C404 4030011600 S CERAMIC C1608 JB 1C 104KT-N C405 4510004590 **ELECTROLYTIC** 16 MV 470 HC C406 4510004630 S.ELECTROLYTIC ECEV1CA100SR C410 4510006220 S.ELECTROLYTIC ECEV1CA101UP C451 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C452 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C453 4510004630 S.ELECTROLYTIC ECEV1CA100SR C454 4550006250 S.TANTALUM TEMSVA 1A 106M-8L S.ELECTROLYTIC ECEV1CA470SP C501 4510004640 C502 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C503 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C504 4510005860 S.ELECTROLYTIC ECEV1HA2R2SR C505 4510004440 S.ELECTROLYTIC ECEV1HA010SR C506 4030007130 S.CERAMIC C1608 CH 1H 101J-T-A C507 4510005830 S.ELECTROLYTIC ECEV1HAN010R C508 4510004440 S.ELECTROLYTIC ECEV1HA010SR C509 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C510 4510004630 S.ELECTROLYTIC ECEV1CA100SR C512 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C513 4510004440 S.ELECTROLYTIC ECEV1HA010SR C514 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C518 4510004440 S.ELECTROLYTIC ECEV1HA010SR 4510004630 S.ELECTROLYTIC ECEV1CA100SR C519 C520 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A 4510005810 S.ELECTROLYTIC ECEV1HAR47R C521 C523 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C524 4510004590 **ELECTROLYTIC** 16 MV 470 HC C525 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C526 4510004600 **ELECTROLYTIC** 16 MV 1000 HC C527 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A 4510004630 S.ELECTROLYTIC ECEV1CA100SR C530 C531 4030006900 S.CERAMIC C1608 JB 1E 103K-T-A 4510004630 S.ELECTROLYTIC ECEV1CA100SR C535 C536 4510006220 S.ELECTROLYTIC ECEV1CA101UP C538 4510004440 S.ELECTROLYTIC ECEV1HA010SR C539 4510004440 S.ELECTROLYTIC ECEV1HA010SR C541 4510004440 S.ELECTROLYTIC ECEV1HA010SR C542 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C544 4510004630 S.ELECTROLYTIC ECEV1CA100SR C545 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A C546 4030006880 S.CERAMIC C547 4030011600 C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C548 4030011600 S.CERAMIC 4510004630 S.ELECTROLYTIC ECEV1CA100SR C549 C1608 JB 1H 472K-T-A C550 4030006880 S.CERAMIC S.ELECTROLYTIC C551 4510004630 ECEV1CA100SR C552 4510004630 S.ELECTROLYTIC ECEV1CA100SR C553 4510004630 S.ELECTROLYTIC ECEV1CA100SR ECEV1CA100SR C554 4510004630 S.ELECTROLYTIC C555 4510005860 S.ELECTROLYTIC ECEV1HA2R2SR C556 4510004630 S.ELECTROLYTIC ECEV1CA100SR C557 4510004630 S.ELECTROLYTIC ECEV1CA100SR C558 4510004630 S.ELECTROLYTIC ECEV1CA100SR C559 4510004630 S.FLECTROLYTIC ECEV1CA100SR C560 4510004440 S.ELECTROLYTIC ECEV1HA010SR C562 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C563 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A

### [MAIN UNIT]

	UNITJ		
REF NO.	ORDER NO.		DESCRIPTION
C567	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C569	4510005830	S.ELECTROLYTIC	
C570	4510004440	S.ELECTROLYTIC	ECEV1HA010SR
C571	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C572 C573	4510004630 4510004630	S.ELECTROLYTIC S.ELECTROLYTIC	ECEV1CA100SR ECEV1CA100SR
C575	4510004630	S.ELECTROLYTIC	ECEVICA100SR
C576	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C577	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C578 C579	4030011600 4510006220	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA101UP
C580	4030008900	S.CERAMIC	C1608 JB 1C 333K-T-A
C581	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C582	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
C583 C584	4510005860 4510005860	S.ELECTROLYTIC S.ELECTROLYTIC	ECEV1HA2R2SR ECEV1HA2R2SR
C585	4510003660	S.ELECTROLYTIC	ECEVICA100SR
C587	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C603	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C604 C605	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C605	4510004440	S.ELECTROLYTIC	ECEV1HA010SR
C608	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C609	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C610	4510005830	S.ELECTROLYTIC	ECEV1HAN010R
C614 C615	4510004630 4510004630	S.ELECTROLYTIC S.ELECTROLYTIC	ECEV1CA100SR ECEV1CA100SR
C641	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C642	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C651	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C652 C653	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C654	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C655	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C656	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C657 C658	4030006880 4030007140	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 CH 1H 121J-T-A
C659	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C701	4030011330	S.CERAMIC	C1608 CH 1H 391J-T-A
C702	4030010760	S.CERAMIC	C1608 CH 1H 331J-T-A
C703 C704	4030006860 4030007150	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 151J-T-A
C705	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C706	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C750 C751	4030006850 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 472K-T-A
C751	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C753	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C755	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C756 C757	4030007090 4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 470J-T-A C1608 CH 1H 470J-T-A
C758	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C759	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C760	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C761 C762	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C763	4510006220	S.ELECTROLYTIC	ECEV1CA101UP
C764	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C765	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C766 C767	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C768	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C801	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C802	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C803 C804	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C805	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C806	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C807	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C808 C809	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C810	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C811	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C812 C813	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C814	4030011600	S.CERAMIC	C1608 CH 1H 101J-T-A
C815	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C816	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C817 C818	4030007130 4030007130	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A C1608 CH 1H 101J-T-A
C818 C819	4030007130	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-1-A C1608 CH 1H 101J-T-A
C820	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
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REF NO.	ORDER NO.		DESCRIPTION
C821	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
C822	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C823	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C824 C826	4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A
C827	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C828	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C829	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C830	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C831 C832	4030007130 4030007130	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A C1608 CH 1H 101J-T-A
C833	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C834	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C835	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C836	4030006870	S.CERAMIC S.CERAMIC	C1608 JB 1H 222K-T-A C1608 JB 1H 222K-T-A
C837 C838	4030006870 4030007130	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A
C839	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C840	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C841	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C842	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 120J-T-A
C843 C844	4030007020 4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C845	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C846	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C847	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C848	4510006220 4030011600	S.ELECTROLYTIC S.CERAMIC	ECEV1CA101UP C1608 JB 1C 104KT-N
C849 C850	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C851	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A
C852	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A
C853	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C854 C855	4510006220 4030006880	S.ELECTROLYTIC S.CERAMIC	ECEV1CA101UP C1608 JB 1H 472K-T-A
C856	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C857	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C858	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C859	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C860 C861	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C862	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C863	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C864	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C865 C866	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C867	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C868	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C869	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C870 C871	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C872	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C873	4030006880	1	C1608 JB 1H 472K-T-A
C874	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C875	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C876 C877	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C878	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C879	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C880	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C881 C882	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C883	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C884	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C885	4510004590	ELECTROLYTIC	16 MV 470 HC
C886	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 561K-T-A
C887 C888	4030010040 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C889	4030010040	S.CERAMIC	C1608 JB 1H 561K-T-A
C890	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C891	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C892 C893	4030011600	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1HA2R2SR
C893	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C895	4510004440	S.ELECTROLYTIC	ECEV1HA010SR
C896	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C897	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
RL601	6330000540	RELAY	OMR-109F
J51	6510007020	CONNECTOR	TMP-J01X-V6

## [MAIN UNIT]

REF	ORDER		DECODIST: 0::	
NO.	NO.		DESCRIPTION	
J52	6510007020	CONNECTOR	TMP-J01X-V6	
J53 J54	6510007020 6450001560	CONNECTOR	TMP-J01X-V6 PD-72	
J54 J55	6450001560	CONNECTOR	PD-72 PD-72	
J56	6450001560	CONNECTOR	PD-72	
J57	6450001560	CONNECTOR	PD-72	
	0.000			
J101	6910001040	CONNECTOR	IPS-1136	
J201	6450001560	CONNECTOR	PD-72	
J202	6450001560	CONNECTOR	PD-72	
J203	6450001560	CONNECTOR	PD-72	
J204	6450001560	CONNECTOR	PD-72	
J301	6910001040	CONNECTOR	IPS-1136	
J401	6510020110	S.CONNECTOR	IL-WX-32SB-VF-B-E	
J402	6510020110	S.CONNECTOR	IL-WX-32SB-VF-B-E	1000
J601 J602	6450001130	CONNECTOR	JPJ2042-01-110 IPS-1136	
J603	6450001790	CONNECTOR	HLJ7000-01-3010	
J651	6450000170	CONNECTOR	TCS4480-01-1111	
J652	6450000160	CONNECTOR	TCS4470-01-1111	
J653	6450000140	CONNECTOR	HSJ0807-01-010	
J654	6450000140	CONNECTOR	HSJ0807-01-010	
J751	6510019990	S.CONNECTOR	52808-2290	
J752	6510020000	S.CONNECTOR	52808-3090	
J753	6510003400	CONNECTOR	B04B-EH-S	
J754 J755	6510019990 6510019980	S.CONNECTOR S.CONNECTOR	52808-2290 52808-1690	
J756	6510019990		52808-2290	
J757	6510020140	S.CONNECTOR	52557-1490	
J801	6510019190	S.CONNECTOR	52365-0891	
J821	6910001040	CONNECTOR	IPS-1136	
S801	2220000530	S.SWITCH	SW-161	
W3	7030003860	S.JUMPER	ERJ3GE JPW V	
W4	7030003860	S.JUMPER	ERJ3GE JPW V	ILLOAD IELIDI
W801	7030003860	S.JUMPER	ERJ3GE JPW V	[USA], [EUR] [DEN]
W802	7030003860	S.JUMPER	ERJ3GE JPW V	[FRA], [DEN]
W804	7030003860	S.JUMPER	ERJ3GE JPW V	Except [FRA]
W805	7030003860	S.JUMPER	ERJ3GE JPW V	
W806	7030003860	S.JUMPER	ERJ3GE JPW V	
W807	7030003860	S.JUMPER	ERJ3GE JPW V	
W808	7030003860	S.JUMPER	ERJ3GE JPW V	
WS1	8600035790	CABLE	P758×J758MA	
WS2	8970022740	CABLE	(1)/MA	
EP1	0910048239	РСВ	B 48611	
EP2	9036505001	TUBE	IRRAX 0.7(d) L=15 n	nm
	L			

### [DSP BOARD]

REF NO.	ORDER NO.		DESCRIPTION
IC401 IC402 IC403 IC404 IC405 IC408 IC409 IC411 IC412 IC414 IC415 IC419 IC425 IC427	1130005230 1130008360 1130004850 1130007700 1130007700 119000550 1110003620 1110003870 1110003870 1130005970 1130007820 1140006160 1130006440	S.IC S.IC S.IC S.IC S.IC S.IC S.IC IC S.IC S.	TC74HCU04AF TC7SHU04FU (TE85L) TC74HC4040AF BU4094BCF-T1 BU4094BCF-T1 LC7886M-TRM PCM69AU NJM2058M-T1 MAX297CPA NJM2058M-T1 TC74HC4053AF NJM2058M-T1 BU4052BCF-T1 SC-1356 TC7S08F (TE85R)
IC428 IC429	1130005120 1140006160	S.IC S.IC	TC74HC74AF (TP1) SC-1356

## [DSP BOARD]

### [DSP BOARD]

REF NO.	ORDER NO.		DESCRIPTION
X401	6050009950	S.XTAL	CR-570 (16.000 MHz)
X402	6050009880	S.XTAL	CR-568 (40.000 MHz)
R401	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R402	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R403	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R404 R405	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R406	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R407	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R408 R409	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R410	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R411	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R412 R413	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R414	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R415	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R416	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R417 R418	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 183 V (18 kΩ)
R419	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R420	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
R421 R422	7030003600	S.RESISTOR S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R423	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R424	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)
R425 R426	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 681 V (680 Ω)
R426	7030003420	S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)
R428	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R429	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R431 R432	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R433	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R434	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R435 R436	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R437	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R438	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R439 R440	7030003510	S.RESISTOR S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ) ERJ3GEYJ 821 V (820 Ω)
R441	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R442	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R443 R444	7030003670	S.RESISTOR S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R446	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R447	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R448	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R449 R450	7030003560	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R452	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R453	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R454 R455	7030003560 7030003650	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 563 V (56 kΩ)
R456	7030003550	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R457	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R458 R461	7030003640 7030003550	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 822 V (8.2 kΩ)
R462	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R464	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R465 R466	7030003620 7030003620	S.RESISTOR S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 333 V (33 kΩ)
R466	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 KΩ) ERJ3GEYJ 101 V (100 Ω)
R468	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R469	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R470 R471	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
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0404	4000044000	e ceranic	C1600 IB 1C 104KT N
C401 C402	4030011600 4550006250	S.CERAMIC S.TANTALUM	C1608 JB 1C 104KT-N TEMSVA 1A 106M-8L
C403	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C404	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C405 C406	4030007030 4030007030	S.CERAMIC S.CERAMIC	C1608 CH 1H 150J-T-A C1608 CH 1H 150J-T-A
C407	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C408	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C409 C410	4030007050 4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 220J-T-A C1608 JB 1C 104KT-N
C411	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
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[DSP	BOARD]		
REF NO.	ORDER NO.		DESCRIPTION
C412	4030010210	S.CERAMIC	C3216 JB 1C 105M-T-A
C415 C416	4510006220 4030011600	S.ELECTROLYTIC S.CERAMIC	ECEV1CA101UP C1608 JB 1C 104KT-N
C417	4030010020		C1608 JB 1H 122K-T-A
C418	4030007150		C1608 CH 1H 151J-T-A
C419	4030006820	i	C1608 SL 1H 301J-T-A
C420 C421	4030009580 4030008650	S.CERAMIC S.CERAMIC	C1608 JB 1H 681K-T-A C1608 JB 1H 332K-T-A
C422	4030007140		C1608 CH 1H 121J-T-A
C423	4510004630	l .	ECEV1CA100SR
C424 C425	4510004630 4510004630	S.ELECTROLYTIC S.ELECTROLYTIC	ECEV1CA100SR ECEV1CA100SR
C426	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C427	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C428 C429	4030011600 4510004630	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA100SR
C430	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A
C431	4030010020	S.CERAMIC	C1608 JB 1H 122K-T-A
C432 C433	4030008470 4030010760	S.CERAMIC S.CERAMIC	C1608 JB 1H 272K-T-A C1608 CH 1H 331J-T-A
C434	4030010770	S.CERAMIC	C1608 JB 1H 392K-T-A
C435	4030007130	S.CERAMIC	C1608 CH 1H 101J-T-A
C438 C439	4030006900	S.CERAMIC S.CERAMIC	C1608 JB 1E 103K-T-A C1608 CH 1H 270J-T-A
C439	4510005890	S.ELECTROLYTIC	ECEV1AAN100R
C441	4510005890	S.ELECTROLYTIC	ECEV1AAN100R
C445 C446	4510004590 4510004630	ELECTROLYTIC S.ELECTROLYTIC	16 MV 470 HC ECEV1CA100SR
C446	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C448	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C449	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C450 C457	4030006880 4510004630	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1H 472K-T-A ECEV1CA100SR
C458	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C459	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C460 C461	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C462	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C463	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C464 C465	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C466	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C467	4510004440	S.ELECTROLYTIC	ECEV1HA010SR
C468 C469	4030011600 4510004630	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA100SR
C470	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C471	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C474 C475	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C476	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C477	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C478 C479	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C480	4510004590	ELECTROLYTIC	16 MV 470 HC
C481	4030010750	S.CERAMIC	C1608 CH 1H 201J-T-A
C484 C485	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C486	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C487	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C488 C491	4030011600 4030011860	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N CM105 CH 241G 50AT
C491	4030011860	S.CERAMIC	C1608 CH 1H 471J-T-A
C493	4030006870	S.CERAMIC	C1608 JB 1H 222K-T-A
C494	4510005890	S.ELECTROLYTIC	C1608 CH 1H 471 LT-A
C495 C496	4030011340 4510004640	S.CERAMIC S.ELECTROLYTIC	C1608 CH 1H 471J-T-A ECEV1CA470SP
J401	6510020100	S.CONNECTOR	IL-WX-32PB-VF100-B-K33
J402	6510020100	S.CONNECTOR	IL-WX-32PB-VF100-B-K33
EP1	0910048275	РСВ	B 4865E
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#### **IPLL UNIT**

#### ORDER REF DESCRIPTION NO. NO. BU4094BCF-T1 1130007700 SIC IC1 SC-1246 1140003641 SJC IC101 TC7S08F (TE85R) 1130006440 S.IC IC191 TC7S08F (TE85R) IC192 1130006440 S.IC MC145170DR2 IC381 1110004320 S.IC TA78L05F (TE12R) IC382 1180000420 S.IC IC401 1140003641 S.IC SC-1246 MC145170DR2 IC681 1110004320 S.IC TA78L05F (TE12R) M65343FP/SC1287 IC682 1180000420 S.IC IC701 1140004550 S.IC 1140004550 S.IC M65343FP/SC1287 IC751 IC801 1140004550 S.IC M65343FP/SC1287 1530002060 S.TRANSISTOR 2SC4081 T107 R Q1 Q2 1510000510 S.TRANSISTOR 2SA1576 T107 R 1590002310 S.TRANSISTOR DTC114EE TL Q3 2SC4403-3-TL 1530002560 S.TRANSISTOR Q51 1530002060 S.TRANSISTOR 2SC4081 T107 R Q52 Q71 1530002060 S.TRANSISTOR 2SC4081 T107 R Q81 1530002560 S.TRANSISTOR 2SC4403-3-TL 1530002060 S.TRANSISTOR 2SC4081 T107 R Q101 S.TRANSISTOR 2SC4081 T107 R Q102 1530002060 S.TRANSISTOR Q103 1530002060 2SC4081 T107 R 1590002310 S.TRANSISTOR DTC114EE TL Q121 S.TRANSISTOR DTC114EE TL 1590002310 Q122 S.TRANSISTOR DTC114EE TL Q123 1590002310 1590001600 S.TRANSISTOR UMD3 TL Q124 S.TRANSISTOR UMD3 TL 1590001600 Q125 S.TRANSISTOR DTA114EE TL Q126 1590001870 S.TRANSISTOR DTA114EE TL Q127 1590001870 S.TRANSISTOR 1590001870 DTA114EE TL Q128 2SK210-GR (TE85R) 1560000330 S.FET Q151 S.TRANSISTOR 2SC4081 T107 R 1530002060 Q152 S.TRANSISTOR 2SC4081 T107 R Q181 1530002060 Q351 1590001870 S.TRANSISTOR DTA114EE TL S.TRANSISTOR DTC114EE TL 1590002310 Q361 S.TRANSISTOR 2SC4081 T107 R Q401 1530002060 S.TRANSISTOR 2SC4081 T107 R Q402 1530002060 Q403 1530002060 S.TRANSISTOR 2SC4081 T107 R S.TRANSISTOR UMD3 TL 1590001600 Q421 S.TRANSISTOR UMD3 TL 1590001600 Q422 1590001600 S.TRANSISTOR UMD3 TL Q423 Q424 1590001870 S.TRANSISTOR DTA114EE TL S.TRANSISTOR DTC114EE TL 1590002310 Q425 S.TRANSISTOR DTC114EE TL 1590002310 Q426 DTA114EE TL 1590001870 S.TRANSISTOR Q427 1560000330 S.FET 2SK210-GR (TE85R) Q451 S.TRANSISTOR 2SC4081 T107 R 1530002060 Q452 S.TRANSISTOR 2SC4081 T107 R 1530002060 Q481 DTA114EE TL 1590001870 S.TRANSISTOR Q651 1590002310 S.TRANSISTOR DTC114EE TL Q661 2SC4081 T107 R 1530002060 S.TRANSISTOR Q701 S.TRANSISTOR 2SC4081 T107 R 1530002060 Q751 2SC4081 T107 R 1530002060 S.TRANSISTOR Q801 1530002060 S.TRANSISTOR 2SC4081 T107 R Q802 DAN222TL 1750000520 S.DIODE D1 S.DIODE DAP222 TL 1160000140 D2 S.DIODE DAN222TL 1750000520 D3 1750000520 S.DIODE DAN222TL Π4 S.VARICAP MA338(TX) 1790000540 D51 1790000540 S.VARICAP MA338(TX) D151 1790000490 S.DIODE HSM88AS-TR D152 1790000490 S.DIODE HSM88AS-TR D153 MA77(TW) 1790000620 S.DIODE D301 1790000620 S.DIODE MA77(TW) D351 MA862(TX) 1790000450 S.DIODE D361 MA338(TX) 1790000540 S.VARICAP D451 HSM88AS-TR 1790000490 SIDIODE D452 1790000490 S.DIODE HSM88AS-TR D453 MA77(TW) S.DIODE D601 1790000620 MA77(TW) S.DIODE D651 1790000620 MA862(TX) D661 1790000450 S.DIODE S.CERAMIC SFECA10.7MA5-D 2020001420 FI101 2020001420 S.CERAMIC SFECA10.7MA5-D FI401 CR-275A (30.00000 MHz) 6050005711 XTAL X51

### [PLL UNIT]

[PLL L	ן ו ואוכ		
REF NO.	ORDER NO.	-	DESCRIPTION
L31	6200003260	S.COIL	NL 322522T-101J
L51	6130001090	COIL	LB-145
L52	6150004520 6200003100	S.COIL S.COIL	LS-508 NL 322522T-3R9J-3
L53 L54	6200003100	S.COIL	NL 322522T-3R3J-3
L55	6180000880	COIL	LAL 03NA 100K
L81	6150004830	S.COIL	LS-509
L82	6150004830	S.COIL	LS-509
L101	6200001830	S.COIL	NL 322522T-100J
L121 L122	6200001830 6200001830	S.COIL S.COIL	NL 322522T-100J NL 322522T-100J
L123	6200001830	S.COIL	NL 322522T-100J
L124	6200001830	S.COIL	NL 322522T-100J
L125	6200001830	S.COIL	NL 322522T-100J
L152 L153	6130001850 6200001830	COIL S.COIL	LB-185 NL 322522T-100J
L181	6200001830	S.COIL	NL 322522T-100J
L303	6200001770	S.COIL	ELJNC 47NK-F
L304	6200001830	S.COIL	NL 322522T-100J
L351	6200002160 6200003670	S.COIL S.COIL	ELJNC 82NK-F ELJNC 68NK-F
L352 L353	6200003670	S.COIL	ELJNC 68NK-F
L354	6200003420	S.COIL	NL 322522T-R15J-3
L355	6200002960	S.COIL	NL 322522T-4R7J-3
L356	6200002960	S.COIL	NL 322522T-4R7J-3 EXCCL3225U1
L382 L401	6200003590	S.COIL S.COIL	NL 322522T-100J
L421	6200001830	S.COIL	NL 322522T-100J
L422	6200001830	S.COIL	NL 322522T-100J
L423	6200001830	S.COIL	NL 322522T-100J
L424 L425	6200001830 6200001830	S.COIL S.COIL	NL 322522T-100J NL 322522T-100J
L452	6130001850	COIL	LB-185
L453	6200001830	S.COIL	NL 322522T-100J
L481	6200001830	S.COIL	NL 322522T-100J
L603 L604	6200001770 6200001830	S.COIL S.COIL	ELJNC 47NK-F NL 322522T-100J
L651	6200002160	S.COIL	ELJNC 82NK-F
L652	6200003670	S.COIL	ELJNC 68NK-F
L653	6200003670	S.COIL	ELJNC 68NK-F
L654 L655	6200003420	S.COIL S.COIL	NL 322522T-R15J-3 NL 322522T-4R7J-3
L656	6200002960	S.COIL	NL 322522T-4R7J-3
L682	6200003590	S.COIL	EXCCL3225U1
L701	6200001830	S.COIL	NL 322522T-100J NL 322522T-120J
L702 L703	6200003130 6200003140	S.COIL S.COIL	NL 322522T-1203 NL 322522T-150J
L704	6200003170	S.COIL	NL 322522T-330J
L751	6200001830	S.COIL	NL 322522T-100J
L752	6200003130 6200003140	S.COIL S.COIL	NL 322522T-120J NL 322522T-150J
L753 L801	6200003140	S.COIL	NL 322522T-100J
L802	6200003130	S.COIL	NL 322522T-120J
L803	6200003140	S.COIL	NL 322522T-150J
L804	6200003170	S.COIL	NL 322522T-330J
R1	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R2	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R3	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R4 R5	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R8	7030003440		ERJ3GEYJ 102 V (1 kΩ)
R9	7030003440		ERJ3GEYJ 102 V (1 kΩ)
R10	7030003640		ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R11 R12	7030003640 7030003640		ERJ3GEYJ 473 V (47 kΩ)
R13	7030003640	1	ERJ3GEYJ 473 V (47 kΩ)
R14	7030003640		ERJ3GEYJ 473 V (47 kΩ)
R15 R16	7030003520 7030003620	1	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 333 V (33 kΩ)
R17	7030003620	1	ERJ3GEYJ 153 V (15 kΩ)
R18	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R19	7030003560		ERJ3GEYJ 103 V (10 kΩ)
R20 R21	7030003600		ERJ3GEYJ 223 V (22 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R22	7030003440		ERJ3GEYJ 102 V (1 kΩ)
R23	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R24	7030003440		ERJ3GEYJ 102 V (1 kΩ)
R31 R32	7030003440		ERJ3GEYJ 102 V (1 kΩ) EVN-D2AA03 B14
R33	7030003440		ERJ3GEYJ 102 V (1 kΩ)
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REF NO.	ORDER NO.		DESCRIPTION
R36	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R40	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R41	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R42 R43	7030003560 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R44	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R45	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R46	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R52 R53	7030003580 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)
R54	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R56	7010003320	RESISTOR	ELR20J 220 Ω
R57 R58	7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 182 V (1.8 kΩ)
R59	7030003470	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R60	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R61	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 473 V (47 kΩ)
R71 R72	7030003640	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R81	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R82	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R83 R84	7030003370	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 101 V (100 Ω)
R101	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R102	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R103 R104	7030005390	S.RESISTOR S.RESISTOR	RR0816P-102-D (1 kΩ) RR0816P-202-D (2 kΩ)
R104	7030005400	S.RESISTOR	RR0816P-102-D (1 kΩ)
R106	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R107	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ) RR0816P-202-D (2 kΩ)
R108 R109	7030005400	S.RESISTOR S.RESISTOR	RR0816P-102-D (1 kΩ)
R110	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R111	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)
R112 R113	7030005400	S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) RR0816P-102-D (1 kΩ)
R114	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R115	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R116 R117	7030005370	S.RESISTOR S.RESISTOR	RR0816P-202-B (2 kΩ) RR0816P-102-B (1 kΩ)
R118	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)
R119	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R120 R121	7030005370	S.RESISTOR S.RESISTOR	RR0816P-202-B (2 kΩ) RR0816P-102-B (1 kΩ)
R122	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)
R123	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R124 R125	7030005370	S.RESISTOR S.RESISTOR	RR0816P-202-B (2 kΩ) ERJ3GEYJ 471 V (470 Ω)
R127	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R128	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R129 R130	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 220 V (22 Ω)
R131	7030003240	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R132	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R133	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R134 R135	7030003240	S.RESISTOR RESISTOR	ERJ3GEYJ 220 V (22 Ω) ELR20J 4.7 kΩ
R136	7010003290	RESISTOR	ELR20J 120 Ω
R137	7010003810	RESISTOR	ELR20J 2.2M Ω
R139 R140	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 271 V (270 Ω)
R141	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R142	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R150 R151	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R152	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R153	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R154 R155	7030003320 7030003350	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 181 V (180 Ω)
R156	7030003550	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R157	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R158 R159	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 150 V (15 Ω)
R159	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R161	7030003310	S.RESISTOR	ERJ3GEYJ 820 V (82 Ω)
R181	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R182 R191	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω)
R192	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R309	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R350 R351	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
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REF	ORDER		DESCRIPTION
NO.	NO.	0.05010700	and the second s
R352 R353	7030003370 7030003230	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 180 V (18 Ω)
R354	7030003230	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R355	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R361	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R362	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R363	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R380 R381	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) MCR03EZHJ 10 MΩ (106)
R382	7010003460	RESISTOR	ELR20J 3.3 kΩ
R383	7010003340	RESISTOR	ELR20J 330 Ω
R384	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R401	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R402 R403	7030005400 7030005390	S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) RR0816P-102-D (1 kΩ)
R404	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R405	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)
R406	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R407	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)
R408 R409	7030005400	S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) RR0816P-102-D (1 kΩ)
R410	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R411	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)
R412	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)
R413	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)
R414 R415	7030005400	S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) RR0816P-102-B (1 kΩ)
R416	7030005360	S.RESISTOR	RR0816P-202-B (2 kΩ)
R417	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R418	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)
R419	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R420 R421	7030005370	S.RESISTOR S.RESISTOR	RR0816P-202-B (2 kΩ) RR0816P-102-B (1 kΩ)
R422	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)
R423	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)
R424	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)
R425	7030003400	S.RESISTOR	ERJ3GEY J 471 V (470 Ω)
R427 R428	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 473 V (47 kΩ)
R429	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R430	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)
R431	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R432	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 221 V (220 Ω)
R433 R434	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R435	7010003480	RESISTOR	ELR20J 4.7 kΩ
R436	7010003290		ELR20J 120 Ω
R437	7010003810	RESISTOR	ELR20J 2.2M Ω
R439 R440	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 271 V (270 Ω)
R441	7030003370	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R442	7030003320	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R443	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R444	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R450 R451	7030003560 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R452	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R453	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)
R454	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R455	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)
R456 R457	7030003640 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 221 V (220 Ω)
R458	7030003300	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R459	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R460	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R461	7030003310	S.RESISTOR	ERJ3GEYJ 820 V (82 Ω)
R481 R482	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R609	7030003440	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R650	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R651	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R652 R653	7030003370 7030003230	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 180 V (18 Ω)
R653	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω) ERJ3GEYJ 271 V (270 Ω)
R655	7030003370	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R661	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R662	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R663	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R680 R681	7030003440	S.RESISTOR	MCR03EZHJ 10 MΩ (106)
R682	7010003460	RESISTOR	ELR20J 3.3 kΩ
	7010003340	RESISTOR	ELR20J 330 Ω

## [PLL UNIT]

PLL	ONTI			[FLL	UNII]		
REF NO.	ORDER NO.		DESCRIPTION	REF NO.	ORDER NO.		DESCRIPTION
R684	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	C4	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
R701	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)	C5	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R702	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)	C6	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R703	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)	C7	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R704	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)	C31	,	S.CERAMIC	C1608 JB 1H 472K-T-A
R705	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)	C32		S.CERAMIC	C1608 JB 1H 472K-T-A
R706		S.RESISTOR	RR0816P-102-B (1 kΩ)	C33		S.ELECTROLYTIC	
R707	7030005400		RR0816P-202-D (2 kΩ)	C51		S.CERAMIC	C1608 CH 1H 560J-T-A
R708	7030005390	1	RR0816P-102-D (1 kΩ)	C53		S.CERAMIC	C1608 CH 1H 820J-T-A
R709	7030005400		RR0816P-202-D (2 kΩ)	C54		S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
R710	7030005390		RR0816P-102-D (1 kΩ) RR0816P-202-D (2 kΩ)	C56 C58		S.CERAMIC S.CERAMIC	C1608 CH 1H 680J-T-A
R711 R712	7030005400	S.RESISTOR S.RESISTOR	RR0816P-102-D (1 kΩ)	C59		S.CERAMIC	C1608 CH 1H 080D-T-A
R713	7030005400	1	RR0816P-202-D (2 kΩ)	C60	4030009470		C1608 CH 1H R75C-T-A
R714	7030005390	J	RR0816P-102-D (1 kΩ)	C61		S.CERAMIC	C1608 CH 1H 100D-T-A
R715	7030005400		RR0816P-202-D (2 kΩ)	C62		S.CERAMIC	C1608 CH 1H 020C-T-A
R716		S.RESISTOR	RR0816P-102-D (1 kΩ)	C63	3	S.CERAMIC	C1608 CH 1H 070D-T-A
R717	I.	S.RESISTOR	RR0816P-202-D (2 kΩ)	C64	i i	S.CERAMIC	C1608 JB 1H 472K-T-A
R718		S.RESISTOR	RR0816P-102-D (1 kΩ)	C65	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R719	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)	C71	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R720	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)	C81		S.CERAMIC	C1608 JB 1H 472K-T-A
R721	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	C82	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
R722	7030003370		ERJ3GEYJ 271 V (270 Ω)	C83		S.CERAMIC	C1608 CH 1H 270J-T-A
R724		S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	C84	I .	S.CERAMIC	C1608 JB 1H 472K-T-A
R751	7030005370		RR0816P-202-B (2 kΩ)	C85		S.CERAMIC	C1608 CH 1H 010C-T-A
R752	7030005380	1	RR0816P-102-B (1 kΩ)	C86	1	S.CERAMIC	C1608 CH 1H 270J-T-A
R753		S.RESISTOR	RR0816P-202-B (2 kΩ)	C87		S.CERAMIC	C1608 JB 1H 472K-T-A
R754		S.RESISTOR S.RESISTOR	RR0816P-102-B (1 kΩ)	C101 C102		S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C1608 JB 1C 104KT-N
R755 R756	7030005370	1	RR0816P-202-B (2 kΩ) RR0816P-102-B (1 kΩ)	C102	· ·	S.CERAMIC	C1608 JB 1C 104KT-N
R757	7030005400		RR0816P-202-D (2 kΩ)	C104		S.CERAMIC	C1608 JB 1C 104KT-N
R758	7030005390		RR0816P-102-D (1 kΩ)	C105		S.CERAMIC	C1608 JB 1C 104KT-N
R759	7030005400		RR0816P-202-D (2 kΩ)	C106	ì	S.CERAMIC	C1608 JB 1C 104KT-N
R760	t .	S.RESISTOR	RR0816P-102-D (1 kΩ)	C107		S.CERAMIC	C1608 JB 1C 104KT-N
R761	7030005400		RR0816P-202-D (2 kΩ)	C108	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R762	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)	C109	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R763	7030005400		RR0816P-202-D (2 kΩ)	C110		S.CERAMIC	C1608 JB 1C 104KT-N
R764		S.RESISTOR	RR0816P-102-D (1 kΩ)	C111	ŧ	S.CERAMIC	C1608 JB 1C 104KT-N
R765	1	S.RESISTOR	RR0816P-202-D (2 kΩ)	C112		S.CERAMIC	C1608 JB 1C 104KT-N
R766	7030005390		RR0816P-102-D (1 kΩ)	C113		S.CERAMIC	C1608 JB 1C 104KT-N
R767	7030005400		RR0816P-202-D (2 kΩ)	C114		S.CERAMIC	C1608 JB 1C 104KT-N
R768	7030005390		RR0816P-102-D (1 kΩ)	C115		S.CERAMIC	C1608 JB 1C 104KT-N
R769	7030005400		RR0816P-202-D (2 kΩ) RR0816P-202-D (2 kΩ)	C116 C117		S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
R770 R771	7030005400		ERJ3GEYJ 473 V (47 kΩ)	C118	1	S.CERAMIC	C1608 JB 1C 104KT-N
R772	7030003370	1	ERJ3GEYJ 271 V (270 Ω)	C119		S.CERAMIC	C1608 JB 1H 472K-T-A
R774	7030003440		ERJ3GEYJ 102 V (1 kΩ)	C120	4030011600		C1608 JB 1C 104KT-N
R777	7030003480	1	ERJ3GEYJ 222 V (2.2 kΩ)	C121	4030010210	S.CERAMIC	C3216 JB 1C 105M-T-A
R778		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	C122	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R779	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	C123	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R801	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)	C124		S.CERAMIC	C1608 JB 1H 472K-T-A
R802	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)	C125		S.CERAMIC	C1608 JB 1H 472K-T-A
R803		S.RESISTOR	RR0816P-202-B (2 kΩ)	C127	1	S.CERAMIC	C1608 JB 1H 472K-T-A
R804	i	S.RESISTOR	RR0816P-102-B (1 kΩ)	C128	1	S.CERAMIC	C1608 JB 1H 472K-T-A
R805		S.RESISTOR	RR0816P-202-B (2 kΩ)	C129		S.CERAMIC	C1608 JB 1H 472K-T-A
R806		S.RESISTOR	RR0816P-102-B (1 kΩ)	C130		S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
R807 R808		S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) RR0816P-102-D (1 kΩ)	C131 C137		S.CERAMIC	C1608 JB 1H 472K-T-A
R809		S.RESISTOR	RR0816P-202-D (7 kΩ)	C138		S.CERAMIC	C1608 JB 1H 472K-T-A
R810		S.RESISTOR	RR0816P-102-D (1 kΩ)	C139	3	S.CERAMIC	C1608 JB 1H 472K-T-A
R811		S.RESISTOR	RR0816P-202-D (2 kΩ)	C144		S.CERAMIC	C1608 JB 1H 472K-T-A
R812	7030005390		RR0816P-102-D (1 kΩ)	C145		S.CERAMIC	C1608 JB 1H 472K-T-A
R813		S.RESISTOR	RR0816P-202-D (2 kΩ)	C151		S.CERAMIC	C1608 JB 1H 472K-T-A
R814		S.RESISTOR	RR0816P-102-D (1 kΩ)	C152		S.CERAMIC	C1608 CH 1H 390J-T-A
R815		S.RESISTOR	RR0816P-202-D (2 kΩ)	C153	1	S.CERAMIC	CM105 CH 101G 50AT
R816	l	S.RESISTOR	RR0816P-102-D (1 kΩ)	C154		S.TRIMMER	TZBX4R200BA110T00 20P
R817		S.RESISTOR	RR0816P-202-D (2 kΩ)	C155		S.CERAMIC	C1608 CH 1H 151J-T-A
R818		S.RESISTOR	RR0816P-102-D (1 kΩ)	C156		S.CERAMIC S.CERAMIC	C1608 CH 1H 151J-T-A C1608 CH 1H 151J-T-A
R819		S.RESISTOR	RR0816P-202-D (2 kΩ)	C157 C158		S.ELECTROLYTIC	
R820 R821		S.RESISTOR S.RESISTOR	RR0816P-202-D (2 kΩ) ERJ3GEYJ 473 V (47 kΩ)	C158		S.CERAMIC	C1608 JB 1H 472K-T-A
R821	I.	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	C160		S.CERAMIC	C1608 JB 1H 472K-T-A
R823		S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)	C161	I	S.CERAMIC	C1608 CH 1H 050C-T-A
R824		S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	C162	4030011600		C1608 JB 1C 104KT-N
R825		S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)	C163		S.CERAMIC	C1608 JB 1H 472K-T-A
R826		S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	C181	1	S.CERAMIC	C1608 JB 1H 472K-T-A
R827		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	C182		ELECTROLYTIC	16 MV 470 HC
				C183		S.CERAMIC	C1608 JB 1H 472K-T-A
				C191		S.CERAMIC	C1608 JB 1C 104KT-N
C1		S.CERAMIC	C1608 JB 1H 472K-T-A	C192		S.CERAMIC	C1608 JB 1C 104KT-N
C2		S.ELECTROLYTIC		C304	1	S.CERAMIC	C1608 CH 1H 390J-T-A
C3	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	C305	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
	<u> </u>	·					S -Surface mour

#### ORDER REF DESCRIPTION NO. NO. 4030007080 S.CERAMIC C306 C1608 CH 1H 390J-T-A 4030007010 S.CERAMIC C307 C1608 CH 1H 100D-T-A C310 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C351 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C352 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C353 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C354 4030006980 S.CERAMIC C1608 CH 1H 070D-T-A C355 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A C356 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C357 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C358 C359 4030011280 S.CERAMIC C1608 CH 1H 271J-T-A 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C360 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C361 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C362 C363 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C364 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1C 104KT-N C380 4030011600 C381 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C382 4030007130 S.CERAMIC C1608 CH 1H 101J-T-A C383 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C384 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C385 4510004630 S.ELECTROLYTIC ECEV1CA100SR C386 4550005980 S.TANTALUM TEMSVA 1A 475M-8L C388 4550000530 S.TANTALUM TESVA 1V 104M1-8L C389 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C390 4510004630 S.ELECTROLYTIC ECEV1CA100SR C391 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C392 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C393 4030007170 S.CERAMIC C1608 CH 1H 221J-T-A C394 4030006850 S.CERAMIC C1608 JB 1H 471K-T-A C401 4510004630 S.ELECTROLYTIC ECEV1CA100SR C402 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C403 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C404 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C405 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C406 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C407 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C408 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C409 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C410 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C411 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C412 C413 4030011600 S.CERAMIC C1608 JB 1C 104KT-N S.CERAMIC C1608 JB 1C 104KT-N C414 4030011600 C415 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C416 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C417 C418 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C419 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1C 104KT-N C420 4030011600 C421 S.CERAMIC C3216 JB 1C 105M-T-A 4030010210 S.CERAMIC C1608 JB 1H 472K-T-A C422 4030006880 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C423 S.CERAMIC C1608 JB 1H 472K-T-A C424 4030006880 C425 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C427 C1608 JB 1H 472K-T-A C428 4030006880 S CERAMIC C431 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C437 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 472K-T-A C438 4030006880 C439 C1608 JB 1H 472K-T-A 4030006880 SCERAMIC C444 4030006880 SCERAMIC C1608.JB 1H 472K-T-A C445 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A SCERAMIC C451 4030006880 C1608 JB 1H 472K-T-A 4030007080 S CERAMIC C452 C1608 CH 1H 390J-T-A 4030011570 SCERAMIC CM105 CH 101G 50AT C453 4610001850 | S.TRIMMER TZBX4R200BA110T00 20P C454 S.CERAMIC C1608 CH 1H 151J-T-A C455 4030007150 C456 4030007150 S CERAMIC C1608 CH 1H 151,J-T-A 4030007150 S CERAMIC C1608 CH 1H 151J-T-A C457 C458 S.ELECTROLYTIC ECEV1CA100SR 4510004630 S.CERAMIC C1608 JB 1H 472K-T-A C459 4030006880 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C460 S CERAMIC C1608 CH 1H 050C-T-A C461 4030006960 4030011600 S CERAMIC C1608 JB 1C 104KT-N C462 S.CERAMIC C1608 JB 1H 472K-T-A C463 4030006880 S CERAMIC C1608 JB 1H 472K-T-A C481 4030006880 C482 4510004590 ELECTROLYTIC 16 MV 470 HC C1608 JB 1H 472K-T-A C483 4030006880 S.CERAMIC C604 4030007080 S CERAMIC C1608 CH 1H 390J-T-A

S CERAMIC

C1608 CH 1H 070D-T-A

C605

4030006980

#### **IPLL UNIT**

[PLL I	ONTI		
REF NO.	ORDER NO.		DESCRIPTION
C606	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C607	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C610	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C651 C652	4030007060 4030007020	S.CERAMIC S.CERAMIC	C1608 CH 1H 270J-T-A C1608 CH 1H 120J-T-A
C653	4030007020	S.CERAMIC S.CERAMIC	C1608 CH 1H 1203-1-A C1608 CH 1H 330J-T-A
C654	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A
C655	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C656	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C657 C658	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 CH 1H 470J-T-A
C659	4030011280	S.CERAMIC	C1608 CH 1H 271J-T-A
C660	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C661	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C662 C663	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C664	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C680	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C681	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C682 C683	4030007130 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A C1608 JB 1H 472K-T-A
C684	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C685	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C686	4550005980	S.TANTALUM	TEMSVA 1A 475M-8L
C688 C689	4550000530 4030006850	S.TANTALUM S.CERAMIC	TESVA 1V 104M1-8L C1608 JB 1H 471K-T-A
C690	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C691	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C692 C693	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 221J-T-A
C694	4030007170	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A
C701	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C702	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C703 C704	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C705	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C706	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C707	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C708 C709	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 CH 1H 180J-T-A
C710	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
C711	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C712 C713	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C714	4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 180J-T-A C1608 CH 1H 180J-T-A
C715	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C716	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C751 C752	4510004630 4030011600	S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C1608 JB 1C 104KT-N
C753	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C754	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C755	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C756 C757	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C758	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C759	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C760 C761	4030006960 4030007070	S.CERAMIC S.CERAMIC	C1608 CH 1H 050C-T-A C1608 CH 1H 330J-T-A
C762	4030007070	S.CERAMIC S.CERAMIC	C1608 CH 1H 0300-1-A
C763	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C766	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C769 C801	4510004640 4510004630	S.ELECTROLYTIC S.ELECTROLYTIC	ECEV1CA470SP ECEV1CA100SR
C802	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C803	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C804	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C805 C806	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C807	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C808	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C809 C810	4030007040 4030006960	S.CERAMIC S.CERAMIC	C1608 CH 1H 180J-T-A C1608 CH 1H 050C-T-A
C810	4030000900	S.CERAMIC	C1608 CH 1H 330J-T-A
C812	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C813	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C814 C815	4030007040 4030007090	S.CERAMIC S.CERAMIC	C1608 CH 1H 180J-T-A C1608 CH 1H 470J-T-A
C816	4030007030	S.CERAMIC	C1608 CH 1H 180J-T-A
C817	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C818 C819	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
5019	,,000110000	J.OLI MINIO	0.000 0D 10 104K1-W

REF   ORDER   NO.	[PLL I	וואט		
J81		1		DESCRIPTION
W2         7030003860         S.JUMPER         ERJ3GE JPW V           W3         7030003860         S.JUMPER         ERJ3GE JPW V           W4         7030003860         S.JUMPER         ERJ3GE JPW V           W5         7030003860         S.JUMPER         ERJ3GE JPW V           W7         7030003860         S.JUMPER         ERJ3GE JPW V           W10         7030003860         S.JUMPER         ERJ3GE JPW V           W25         7030003860         S.JUMPER         ERJ3GE JPW V           W26         7030003860         S.JUMPER         ERJ3GE JPW V           W29         7030003860         S.JUMPER         ERJ3GE JPW V           W30         7030003860         S.JUMPER         ERJ3GE JPW V           W31         7030003860         S.JUMPER         ERJ3GE JPW V           W32         7030003860         S.JUMPER         ERJ3GE JPW V           W33         7030003860         S.JUMPER         ERJ3GE JPW V           W33         7030003860         S.JUMPER         ERJ3GE JPW V           W31         8970022690         CABLE         (7)/PL	J81 J101 J351 J381 J401 J651 J681 J701 J751 J801	6510007900 6910001040 6510007900 6910001040 6510007900 691001040 6510007900 6510007900 6510007900	CONNECTOR	TBP-P01X-A1 IPS-1136 TBP-P01X-A1 IPS-1136 IPS-1136 TBP-P01X-A1 IPS-1136 TBP-P01X-A1 TBP-P01X-A1 TBP-P01X-A1
	W2 W3 W4 W5 W6 W7 W10 W25 W26 W28 W29 W30 W31 W32	7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860 7030003860	S.JUMPER	ERJ3GE JPW V
EP1 0910048834 PCB B 4984D	WS1	8970022690	CABLE	(7)/PL

### [VCO-A/B BOARD] (common)

	,	RDJ (commo	,
REF NO.	ORDER NO.		DESCRIPTION
Q201	1560000490	S.FET	2SK508 K52 T2B
Q202	1530003090	S.TRANSISTOR	2SC4213-B (TE85R)
Q221	1560000490	S.FET	2\$K508 K52 T2B
Q222	1530003090	S.TRANSISTOR	2SC4213-B (TE85R)
Q251	1560000490	S.FET	2SK508 K52 T2B
Q252 Q301	1530003090 1530002570	S.TRANSISTOR S.TRANSISTOR	2SC4213-B (TE85R) 2SC4405-3-TL
Q301	1330002370	0.1112110101011	2004403-0-12
D201	1790000540	1	MA338(TX)
D221	1790000540		MA338(TX) HVM17-01TR
D251	1720000540	S.VARICAP	HVWII7-UTTR
ŀ			
L201	6170000230	1	LW-25
L202	6190001270	1	E544GN-110245
L203 L221	6170000230		LW-25 LW-25
L221	6190001270		E544GN-110245
L223	6170000230		LW-25
L251	6170000230	3	LW-25
L252	6190001280	1	E544GN-110248
L253	6170000230	COIL	LW-25
L301	6200003330	S.COIL	NL 322522T-1R0J-3
1			
R202	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R203	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R204	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R222	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R223 R224	7030003380	S.RESISTOR S.RESISTOR	ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 103 V (10 kΩ)
R252	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R253	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R254	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R301	7030003550		ERJ3GEYJ 822 V (8.2 kΩ)
R302	7030003510	t .	ERJ3GEYJ 392 V (3.9 kΩ)
R303 R304	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 330 V (33 Ω)
N304	7030003200	J. NESISTON	E1103GE10 330 V (33 32)
C201	4030006850	3	C1608 JB 1H 471K-T-A
C202 C203	4030007170 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 221J-T-A C1608 JB 1H 472K-T-A
C203	4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A
C205	4030006880		C1608 JB 1H 472K-T-A
C206	4030006930	S.CERAMIC	C1608 CH 1H 020C-T-A
C207	4030006880	i .	C1608 JB 1H 472K-T-A
C208	4610001270		ECR-JA010 A12W
C209 C221	4030007010		C1608 CH 1H 100D-T-A C1608 JB 1H 471K-T-A
C222	4030000830	S.CERAMIC	C1608 CH 1H 680J-T-A
C223	4030006880	£ -	C1608 JB 1H 472K-T-A
C224	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C225	4030006880	1	C1608 JB 1H 472K-T-A
C226	4030006930		C1608 CH 1H 020C-T-A
C227 C228	4030006880 4610001270	S.CERAMIC S.TRIMMER	C1608 JB 1H 472K-T-A ECR-JA010 A12W
C251	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C252	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C253	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C254	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C255	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C256	4030006930	S.CERAMIC S.CERAMIC	C1608 CH 1H 020C-T-A C1608 JB 1H 472K-T-A
C257 C258	4030006880 4610001270	S.CEHAMIC S.TRIMMER	ECR-JA010 A12W
C301	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C302	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C303	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C309	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
J201	6910003840	CONNECTOR	IMSA-9230B-1-05Z003-T IMSA-9230B-1-05Z003-T
J202	6910003840	CONNECTOR	1913A-3230D-1-032003-1
E24	0010010010	DCD.	P 40000
EP1	0910048843	PUB	B 4982C
			S -Surface mount

### (FILTER UNIT)

#### **ORDER** REF DESCRIPTION NO. NO. 6140002570 COIL LR-294 L1 LR-295 6140002580 COIL 12 6140001240 COIL LR-149 L3 6140001130 COIL LR-138 14 LR-216 6140001800 1.5 COIL LR-216 6140001800 COIL L6 LR-241 6140002280 COIL L7 LR-241 6140002280 COIL 18 L9 6110002920 COIL LA-481 6110002910 COIL LA-480 L10 I A-479 1 11 6110002900 COIL LA-478 L12 6110002890 COIL NL 322522T-101J L13 6200003260 S COIL NL 322522T-101J L15 6200003260 S.COIL NL 322522T-101J 117 6200003260 S.COIL NL 322522T-101J L19 6200003260 S.COIL NL 322522T-100J L21 6200001830 S.COIL NI 322522T-100J L23 6200001830 S.COIL 1 R-240 L28 6140002270 COIL LA-215 L29 6110002230 COIL L30 6110002230 COIL LA-215 L31 6110002220 COIL LA-214 NL 322522T-100J L32 6200001830 S.COIL L33 6140003200 COIL LB-357 HM74SJ SL 151J 500V 4010005830 CERAMIC C2 CERAMIC HM11SJ SL 331J 500V СЗ 4010005370 HM74SJ SL 121J 500V C5 4010005820 CERAMIC C7 4010005360 CERAMIC HM11SJ SL 301J 500V C8 4010005360 CERAMIC HM11SJ SL 301J 500V C10 4010005360 CERAMIC HM11SJ SL 301J 500V C12 4010005780 CERAMIC HM60SJ SL 101J 500V C14 4010005930 CERAMIC HM11SJ SL 391J 500V C15 4010005930 CERAMIC HM11SJ SL 391J 500V C16 4010005860 CERAMIC HM95SJ SL 201J 500V C17 4010005850 **CERAMIC** HM95SJ SL 181J 500V C18 4010005780 **CERAMIC** HM60SJ SL 101J 500V C20 4010005360 **CERAMIC** HM11SJ SL 301J 500V 4010005360 CERAMIC HM11SJ SL 301J 500V C21 C22 4010005660 CERAMIC HM60SJ SL 220J 500V C23 4010005370 CERAMIC HM11SJ SL 331J 500V C24 4010005370 CERAMIC HM11SJ SL 331J 500V C25 4010005370 | CERAMIC HM11SJ SL 331J 500V C28 4010005820 | CERAMIC HM74SJ SL 121J 500V C30 4010005810 CERAMIC HM74SJ SL 111J 500V C31 4010005820 CERAMIC HM74SJ SL 121J 500V 4010005780 | CERAMIC HM60SJ SL 101J 500V C32 C33 4010005640 | CERAMIC HM60SJ SL 180J 500V C34 4010005870 CERAMIC HM95SJ SL 221J 500V C35 4010005720 CERAMIC HM60SJ SL 390J 500V C36 4010005810 CERAMIC HM74SJ SL 111J 500V C37 4010005740 CERAMIC HM60SJ SL 560J 500V 4010005620 CERAMIC HM60SJ SL 120J 500V C38 4010005820 CERAMIC HM74SJ SL 121J 500V C39 4010005530 CERAMIC HM60SJ SL 020C 500V C40 C41 4010005740 CERAMIC HM60SJ SL 560J 500V C42 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C43 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C44 C45 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C46 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C47 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C48 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C49 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C50 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C51 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C52 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C53 C63 4010005680 CERAMIC HM60SJ SL 270J 500V 4010005780 **CERAMIC** HM60SJ SL 101J 500V C65 **CERAMIC** HM11SJ SL 301J 500V C66 4010005360 4010005360 **CERAMIC** HM11SJ SL 301J 500V C67 C68 4010005360 CERAMIC HM11SJ SL 301J 500V 4010005360 CERAMIC HM11SJ SL 301J 500V C69 CERAMIC HM95SJ SL 221J 500V C72 4010005870 4010005390 CERAMIC HM15SJ SL 621J 500V C73 C74 4010005390 CERAMIC HM15SJ SL 621J 500V 4010005390 **CERAMIC** HM15SJ SL 621J 500V C75 CERAMIC HM60SJ SL 220J 500V C77 4010005660 4010005750 CERAMIC HM60SJ SL 680J 500V C78 C80 4010005770 CERAMIC HM60SJ SL 820J 500V

[FILTE	R UNIT]		
REF NO.	ORDER NO.		DESCRIPTION
C82	4010005660	CERAMIC	HM60SJ SL 220J 500V
C83	4010005620	CERAMIC	HM60SJ SL 120J 500V
C85	4010005630	CERAMIC	HM60SJ SL 150J 500V
C86 C87	4010005690 4030006880	CERAMIC S.CERAMIC	HM60SJ SL 300J 500V C1608 JB 1H 472K-T-A
C88	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C97	4010005390	CERAMIC	HM15SJ SL 621J 500V
C98	4010005390	CERAMIC	HM15SJ SL 621J 500V
C99	4010005390	CERAMIC CERAMIC	HM15SJ SL 621J 500V HM15SJ SL 621J 500V
C100 C102	4010005390 4010005830	CERAMIC	HM74SJ SL 6213 500V
C103	4010005820	CERAMIC	HM74SJ SL 121J 590V
C104	4010005610	CERAMIC	HM60SJ SL 100D 500V
C116	4010005740	CERAMIC	HM60SJ SL 560J 500V C3216 JB 1E 104K-T-A
C124 C125	4030005140 4030005140		C3216 JB 1E 104K-T-A
C126	4030005140		C3216 JB 1E 104K-T-A
C127	4030004720		C2012 JB 1H 102K-T-A
C128	4030004720	S.CERAMIC	C2012 JB 1H 102K-T-A
C129 C130	4030004720 4030004720	S.CERAMIC S.CERAMIC	C2012 JB 1H 102K-T-A C2012 JB 1H 102K-T-A
C130	4010005730		HM60SJ SL 470J 500V
C132	4010005730	CERAMIC	HM60SJ SL 470J 500V
RL1	6330001470	RELAY	AJS1311
RL2	6330001470	RELAY	AJS1311
RL3	6330001470	RELAY	AJS1311
RL4 RL5	6330001470 6330001470	RELAY RELAY	AJS1311 AJS1311
RL6	6330001470	RELAY	AJS1311
RL7	6330001470	RELAY	AJS1311
RL8	6330001470	RELAY	AJS1311
RL9	6330001470	RELAY	AJS1311 AJS1311
RL10 RL11	6330001470 6330001470	RELAY RELAY	AJS1311 AJS1311
RL12	6330001470	RELAY	AJS1311
RL13	6330001330	RELAY	AG 201344
RL14	6330001330	RELAY	AG 201344
			T. 10 10 17 170
J1 J2	6510007020 6510007020	CONNECTOR	TMP-J01X-V6 TMP-J01X-V6
J3	6510007020	S.CONNECTOR	52808-1090
W <sub>1</sub>	7030003860	S.JUMPER	ERJ3GE JPW V
W2	7030003860	i e	ERJ3GE JPW V
W3	7030003860	S.JUMPER	ERJ3GE JPW V
W4	7030003860	S.JUMPER	ERJ3GE JPW V
W5 W6	7030003860 7030003860	S.JUMPER S.JUMPER	ERJ3GE JPW V ERJ3GE JPW V
W7	7030003860	S.JUMPER	ERJ3GE JPW V
EP1	6510018330	TERMINAL	F4053A
EP2	6510018330	TERMINAL	F4053A
EP3	6510018330 6510018330	TERMINAL	F4053A F4053A
EP4 EP7	0910048193	TERMINAL PCB	B 4857C
- '	0010010700	1,00	2 .657.5

## [TUNER UNIT]

I NO	ORDER		DESCRIPTION
NO.	NO.	10	
IC1 IC2	1120000970 1120000970	IC IC	M54562P M54562P
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11	2040000490 2040000490 6110003010 6110003030 6110003020 6110003020 6110003020 6140003260 6140003260 6140002700 6140002700	COIL COIL COIL COIL COIL COIL COIL COIL	EXC-ELDR25C EXC-ELDR25C LA-488 LA-490 LA-489 LA-490 LA-489 LA-490 LR-363 (T130-6) LR-363 (T130-6) LR-307 (T130-2) LR-307 (T130-2)
R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C32 C33 C34 C35 C36 C37 C36 C37 C36 C37 C36 C37 C37 C38 C37 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38	403006880 4010004250 401004250 4010004250	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 38V DE1007 SL 390J 3KV DE1007 SL 101J 3KV

### [TUNER UNIT]

LIONE	R UNIT]		
REF NO.	ORDER NO.		DESCRIPTION
C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61	4030006880 4030006880 4030006880 4030006880 4030006880 4030006880 4030006880 4030006880 4030006880	S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
RL1 RL2 RL3 RL4 RL5 RL6 RL7 RL8 RL9 RL10 RL11 RL12 RL13 RL14 RL15	6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110 6330001110	}	NY-12W-K NY-12W-K
MF1 MF2	2710000460 2710000460	MOTOR MOTOR	MP28GA MP28GA
J1 J2 J3 J4 J5	6510003100 6510003100 6510007900 6510007900 6510019990	CONNECTOR CONNECTOR CONNECTOR	RT01T-1.3B RT01T-1.3B TBP-P01X-A1 TBP-P01X-A1 52808-2290
WS1	8970022710	CABLE	(2)/TU
EP1		PCB	S -Surface mount

### [CTRL UNIT]

### [CTRL UNIT]

[OIII	_ UNIT]			[CIRL UNII]			
REF	ORDER		DESCRIPTION	REF	ORDER		DESCRIPTION
NO.	NO.		DESCRIPTION	NO.	NO.		DESCRIPTION
IC1	1110000960	S.IC	NJM4558M(T1)	R1	7030007130	S.RESISTOR	ERJ1WYJ150H (15 Ω)
IC2	1120002250	S.IC	TC74ACT32F	R2	1	S.RESISTOR	ERJ1WYJ150H (15 Ω)
IC3	1120002240	S.IC	TC74AC112F	R3		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
IC4	1110000960		NJM4558M(T1)	R4		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
IC5	1140004120		M38022M2-138FP	R5		S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
IC6	1140003610		X24C04S8-2.7T6	R6 R7		S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
IC7 IC9	1110004510 1110002690	S.IC S.IC	TD62597AFN(EL) NJM2903M-T1	R8		S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
IC10	1130003920		TC4S69F (TE85R)	R9	1	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
IC10	1130003920		BU4094BCF-T1	R10	1	S.RESISTOR	ERJ3GEYJ 824 V (820 kΩ)
IC12	1160000130		TD62783AF (TP1)	R13		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
IC13	1180001070	S.IC	TA7805F(TE16L)	R14		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
IC14	1120002300	S.IC	TC74AC04F	R15		S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
1				R16		S.RESISTOR	ERJ1WYJ330H (33 Ω)
ا م	1560000970	CEET	20VE1E T1B (V22)	R17 R26		S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 470 V (47 Ω)
Q5 Q12	1560000870	S.TRANSISTOR	2SK515-T1B (X33)	R27		S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
Q13			DTA114EU T107	R28		S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
Q14		S.TRANSISTOR		R29		S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
Q15	1590001330	S.TRANSISTOR	DTA114EU T107	R30	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
Q16		S.TRANSISTOR	DTC114EU T107	R31		S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
Q17		S.TRANSISTOR	DTA114EU T107	R32		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
Q21		S.TRANSISTOR	DTC114EU T107	R33		S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
Q22		S.TRANSISTOR S.TRANSISTOR	DTA114EU T107	R34 R35		S.RESISTOR S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 823 V (82 kΩ)
Q23 Q24		S.TRANSISTOR	DTC114EU T107 DTA114EU T107	R35	F .	S.RESISTOR	ERJ3GEYJ 823 V (82 KΩ) ERJ3GEYJ 155 V (1.5 MΩ)
Q24 Q25			2SC4213-B (TE85R)	R37		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
ا سودی	.5550000000	5.777/HOISTON	200,210 2 (12001)	R38		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
1				R39		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D1	1790000490	S.DIODE	HSM88AS-TR	R40		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D2	1790000490		HSM88AS-TR	R41		S.RESISTOR	ERJ1WYJ820H (82 Ω)
D3	1750000200		1SS319 (TE85R)	R42		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
D4	1750000120		DWA010-TE	R43 R44		S.RESISTOR	ERJ3GEY J 103 V (10 kΩ)
D5 D6	1790000690 1790000490		HSM88ASR-TR HSM88AS-TR	R44 R45		S.RESISTOR S.RESISTOR	ERJ3GEYJ 105 V (1 ΜΩ) ERJ3GEYJ 103 V (10 kΩ)
D7	1790000490		HSM88AS-TR	R46		S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
D8	1790000490		HSM88AS-TR	R47	1	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
D9	1790000490		HSM88AS-TR	R48		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
D10	1750000120	S.DIODE	DWA010-TE	R49		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D11	1730000410		RD5.1M-T2B2	R50	1	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
D12	1730000030		RD5.6M-T2B2	R51		S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
D13	1710000780		MA114(TX)	R52		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D15	1790000490		HSM88AS-TR	R53 R54		S.RESISTOR S.RESISTOR	ERJ3GEYJ 155 V (1.5 MΩ) ERJ3GEYJ 103 V (10 kΩ)
D16 D17	1750000270 1750000270		1SS301 (TE85R) 1SS301 (TE85R)	R55		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
D17	1750000270		1SS301 (TE85R)	R56		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D20	1750000270		1SS301 (TE85R)	R57		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
D22	1790000620		MA77(TŴ)	R58	7540000130	ABSORBER	2P-50A-301
1				R59		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
1				R60		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
X1	6050009890	S.XTAL	CR-569 (6.144 MHz)	R61		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
				R62 R63	1	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)
L1	6140003270	COII	LR-364	R64		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
L1 L2	6200001830		NL 322522T-100J	R65		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
L3	6200003260		NL 322522 <b>T</b> -101J	R66		S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
L4	6140003270	COIL	LR-364	R67	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
L5	6180001220		LAL 04NA 100K	R69		S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
L8	6140003270		LR-364	R71		S.RESISTOR	ERJ3GEY J 102 V (1 kΩ)
L9	6180000450		RFC L6 222K	R76 R83		S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ1WYJ150H (15 Ω)
L10 L11	6200003260 6200003260		NL 322522T-101J NL 322522T-101J	R84		S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
L13	6180000990		LAL 04NA 101K	R86		S.RESISTOR	ERJ3GEYJ 184 V (180 kΩ)
L13	6180000990		LAL 03NA 101K	R87	1	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
L15	6180000900		LAL 03NA 101K	R88		S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
L16	6180000900		LAL 03NA 101K	R89		S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
L17	6180000900		LAL 03NA 101K	R90		S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
L18	6180000900		LAL 03NA 101K	R92		S.RESISTOR	ERJ3GEY J 102 V (1 kΩ)
L19	6180000900		LAL 03NA 101K	R93		S.RESISTOR	ERJ3GEY J 103 V (10 kΩ)
L20 L21	6180000900 6180000900		LAL 03NA 101K LAL 03NA 101K	R98 R99		S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 103 V (10 kΩ)
L21 L22	6140003270		LR-364	R100		S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
L25	6200003260		NL 322522T-101J	R101		S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
L27	6110001630		LA-246	R102		S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
L28	6110001560		LA-236	R103		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
L29	2040000490		EXC-ELDR25C	R105		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
L30	2040000490		EXC-ELDR25C	R106		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
L31	2040000490		EXC-ELDR25C	R107		S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
L32	2040000490 6200003260		EXC-ELDR25C NL 322522T-101J	R108 R109		S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
L33 L34	6200003260		NL 322522T-101J NL 322522T-101J	R110		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
-54	0200000200	J.001L	022022. 1010	R111		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
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REF NO.  R112 R113 R114 R115 R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R127 R128 R129 R130 R131	ORDER NO.  7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 703000340 703000340 703000340 7030003200 7030003200	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		REF NO.  C46 C47 C48 C49 C51 C52 C53 C54 C55 C56 C57	403000 403000 403000 403000 403000 403000 403000 403000 403000 403000 403000
R113 R114 R115 R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C47 C48 C49 C51 C52 C53 C54 C55 C56	4030009 4030009 4030009 4030009 4030009 4030009 4030009
R114 R115 R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C48 C49 C51 C52 C53 C54 C55 C56	4030009 4030000 4030000 4030000 4030000 4030000
R115 R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C49 C51 C52 C53 C54 C55 C56	4030006 4030006 4030006 4030006 4030006
R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C51 C52 C53 C54 C55 C56	4030006 4030006 4030006 4030006
R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C52 C53 C54 C55 C56	4030006 4030006 4030006 4030006
R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)	:	C53 C54 C55 C56	4030006 4030006 4030006
R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)		C55 C56	4030000
R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)		C56	li .
R122 R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)			
R123 R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003440 7030003200 7030003200	S.RESISTOR S.RESISTOR				4030000
R124 R125 R126 R127 R128 R129 R130 R131	7030003440 7030003440 7030003200 7030003200	S.RESISTOR			C58	4030000
R125 R126 R127 R128 R129 R130 R131	7030003200 7030003200	C DECICTOR	ERJ3GEYJ 102 V (1 kΩ)		C59	403000
R127 R128 R129 R130 R131	7030003200	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C60	403000
R128 R129 R130 R131	1	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)		C62	403000
R129 R130 R131	1 / U.SUUU.SZUU	S.RESISTOR S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 100 V (10 Ω)	İ	C63 C64	403000
R130 R131	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)		C65	403000
	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)		C66	403000
D400	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)		C69	4510004
R132	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 103 V (10 kΩ)		C70 C71	4510004
R136 R137	7030003560 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 470 V (47 Ω)		C72	451000
R138	7030003280	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C73	403000
R139	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	1	C74	403000
R140	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)		C75	4030000
R141	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 470 V (47 Ω)		C76 C77	403000
R142 R143	7030003280 7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C78	403000
R144	7030003280	-	ERJ3GEYJ 470 V (47 Ω)		C79	403000
R145	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C80	403000
R146	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)		C81	403000
R147 R148	7030003440 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 473 V (47 kΩ)	1	C82 C83	403000
R149	7030003640	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		C84	403000
R150	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)		C85	403000
R151	7030003430	S.RESISTOR	ERJ3GEYJ 821 V (820 Ω)		C86	403000
R152	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)	ļ	C87 C88	403000
R153 R154	7030003520 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	ı	C89	403000
R155	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)		C90	451000
					C91	403000
		0504440	1114000 1 51 0000 5001/		C92 C93	403000
C1 C2	4010005530 4030007110	S.CERAMIC	HM60SJ SL 020C 500V C1608 CH 1H 680J-T-A		C94	403000
C3	4610001260		ECR-JA020 E12W		C95	403000
C4	4010005530		HM60SJ SL 020C 500V	1	C96	403000
C5	4030011540	l	C1608 CH 1H 750J-T-A		C97 C98	403000 451000
C6 C7	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A		C99	403000
C8	4030006880		C1608 JB 1H 472K-T-A		C100	403000
C9	4030006880	1	C1608 JB 1H 472K-T-A		C101	403000
C10	4030006880		C1608 JB 1H 472K-T-A	1	C102	451000
C11	4030006880		C1608 JB 1H 472K-T-A HM60SJ SL 030C 500V		C105 C107	403001
C12 C13	4030007070	i e	C1608 CH 1H 330J-T-A		C108	401000
C14	4030007070		C1608 CH 1H 330J-T-A		C109	403001
C15	4030007070		C1608 CH 1H 330J-T-A		C209	403000
C16	4030006880		C1608 JB 1H 472K-T-A		C210	403000
C17 C20	4030007120 4030006880		C1608 CH 1H 820J-T-A C1608 JB 1H 472K-T-A			
C21	4030006880		C1608 JB 1H 472K-T-A		RL1	633000
C22	4550003120		TEMSVD2 1A 476M-12L		RL2	633000
C23	4030006880		C1608 JB 1H 472K-T-A	-	RL3	633000
C24	4030007170		C1608 CH 1H 221J-T-A	1	RL4	633000
C25 C26	4030007170 4030006880	1	C1608 CH 1H 221J-T-A C1608 JB 1H 472K-T-A			
C27	4030006880	1	C1608 JB 1H 472K-T-A		J1	651000
C30	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A		J2	651000
C31	4030011340		C1608 CH 1H 471J-T-A		J3	651000
C32	4010005520	_	HM60SJ SL 010C 500V C1608 CH 1H 680J-T-A		J4 J7	651000 651001
C33 C34	4030007110 4030007120		C1608 CH 1H 820J-T-A		J8	651001
C35	4030007120	1	C1608 JB 1H 472K-T-A		J10	651000
C36	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		J11	651000
C37	4030006880		C1608 JB 1H 472K-T-A		J12	691000
C38	4030006880		C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A		J13	651001
C39 C40	4030006880 4030006880		C1608 JB 1H 472K-1-A C1608 JB 1H 472K-T-A		Í	1
C43	4030007170		C1608 CH 1H 221J-T-A		W1	712000
C44	4030011340	S.CERAMIC	C1608 CH 1H 471J-T-A		W2	712000
C45	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		W3	712000

CIRL	UNIT]		
REF NO.	ORDER NO.		DESCRIPTION
C46	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C47	4030009990	S.CERAMIC	C1608 CH 1H 200J-T-A
C48	4030009990	S.CERAMIC	C1608 CH 1H 200J-T-A
C49	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 102K-T-A
C51 C52	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C53	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C54	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C55	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C56	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C57	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C58	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C59	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C60 C62	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C63	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C64	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C65	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
C66	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C69	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C70	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C71	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C72	4510006260	S.ELECTROLYTIC S.CERAMIC	ECEV1AA471UP C1608 JB 1H 472K-T-A
C73 C74	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-1-A
C75	4030006880		C1608 JB 1H 472K-T-A
C76	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C77	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C78	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C79	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C80	4030006880		C1608 JB 1H 472K-T-A
C81	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C82 C83	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C84	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C85	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C86	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C87	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C88	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C89	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C90	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C91 C92	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C92	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C94	4030006880		C1608 JB 1H 472K-T-A
C95	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C96	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C97	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C98	4510006220		ECEV1CA101UP
C99	4030007010 4030007130		C1608 CH 1H 100D-T-A C1608 CH 1H 101J-T-A
C100 C101	4030007130	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C102	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C105	4030011540	S.CERAMIC	C1608 CH 1H 750J-T-A
C107	4010005580	i e	HM60SJ SL 070D 500V
C108	4010005560	CERAMIC	HM60SJ SL 050C 500V
C109	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C209	4030006900		C1608 JB 1E 103K-T-A
C210	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
RL1	6330001450	RELAY	FXE-12G
RL2	6330001450		FXE-12G
RL3	6330000800		G5A-237P DC12V
RL4	6330000470	RELAY	NR-HD (12V) AE5343
I	051000====	CONNICOTOR	TRR ROLL AT
J1	6510007900		TBP-P01X-A1
J2 J3	6510007900 6510003250	1	TBP-P01X-A1 TMP-J01X-A2
J3 J4	6510003250		TMP-J01X-A2
J7	6510003230	i i	52808-2290
J8	6510019990		52808-2290
J10	6510003410		B05B-EH-S
J11	6510003410		B05B-EH-S
J12	6910001040		IPS-1136
J13	6510019970	S.CONNECTOR	52808-1090
1			
W <sub>1</sub>	7120000010	JUMPER	JPW 02A
W <sub>2</sub>	7120000010	I	JPW 02A
W3	7120000010		JPW.02A
1		L	<u></u>

## [CTRL UNIT]

REF NO.	ORDER NO.		DESCRIPTION
W4	7030003860	S.JUMPER	ERJ3GE JPW V
WS1	8970022680	CABLE	(2)/CT
EP1	0910048205	РСВ	B 4858E

## [PA UNIT]

REF NO.	ORDER NO.		DESCRIPTION
IC1 IC2 IC3	1180001070 1110002020 1110002030	S.IC IC IC	TA7805F(TE16L) TA7805S TA7808S
Q1 Q2 Q3 Q4 Q5 Q8 Q9 Q10 Q11 Q12 Q13	153000790 153000800 153000880 153000880 153000880 153000880 154000200 159001150 1530002060 1530002060 1520000650	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR	2SC1971 2SC1972 2SC1972 2SC2694 2SC2694 2SD1406 Y UN9211(TX) 2SC4081 T107 R 2SC4081 T107 R 2SB1201-S-TL 2SB1201-S-TL
D1 D2 D3 D4 D5 D7 D8 D9 D10	179000710 179000710 179000710 179000700 179000700 1160000140 179000700 1160000140 171000030	VARISTOR VARISTOR DIODE DIODE S.DIODE DIODE S.DIODE S.DIODE	MA29B MA29B MA29B DSA3A1 DSA3A1 DAP222 TL DSA3A1 DAP222 TL 1S1555
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L12 L14 L21 L22	6140003240 2040000490 2040000490 6140002980 6140003280 6140000610 6140002030 2040000490 2040000490 6140003230 6110001730 2040000490	COIL COIL COIL COIL COIL COIL COIL COIL	LR-361 EXC-ELDR25C EXC-ELDR25C LR-143 EXC-ELDR25C LR-368 LR-83 LR-230 EXC-ELDR25C EXC-ELDR25C EXC-ELDR25C EXC-ELDR25C EXC-ELDR25C LR-360 LA-262 EXC-ELDR25C
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21	7030003380 7030003230 7030003360 7030003360 7030003360 7030008230 7030008230 7030008230 7030003420 7310003750 703000260 7030006180 7030006180 7030006180 7030006120 7030006120	S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR S.RESISTOR	ERJ3GEYJ 331 V (330 $\Omega$ ) ERJ3GEYJ 180 V (18 $\Omega$ ) ERJ3GEYJ 221 V (220 $\Omega$ ) ERJ3GEYJ 221 V (220 $\Omega$ ) ERJ3GEYJ 391 V (390 $\Omega$ ) ERJ3GEYJ 221 V (220 $\Omega$ ) ERJ3GEYJ 221 V (220 $\Omega$ ) ERJ12YJ4R7H (4.7 $\Omega$ ) ERJ1WYJ1R0H (1 $\Omega$ ) ERJ1WYJ1R0H (1 $\Omega$ ) ERJ3GEYJ 681 V (680 $\Omega$ ) EVN-2ACA00 B52 (501) ERJ3GEYJ 680 V (68 $\Omega$ ) MCR10EZHJ 100 $\Omega$ (101) ERJ1WYJ101H (100 $\Omega$ ) ERJ1WYJ101H (100 $\Omega$ ) ERJ1WYJ101H (100 $\Omega$ ) ERJ1WYJ100H (10 $\Omega$ ) ERJ1WYJ100H (10 $\Omega$ ) ERJ1WYJ100H (10 $\Omega$ ) ERJ1WYJ107H (10 $\Omega$ )

### [PA UNIT]

[PA U	PA UNIT]				
REF NO.	ORDER NO.		DESCRIPTION		
R23	7030006120		ERJ1WYJ4R7H (4.7 Ω)		
R24 R26	7030006120 7030006060	S.RESISTOR S.RESISTOR	ERJ1WYJ4R7H (4.7 Ω) ERJ12YJ100H (10 Ω)		
R27	7030006060	S.RESISTOR	ERJ12YJ100H (10 Ω)		
R28	7100000640	RESISTOR	5 SI 0.012 Ω (J)		
R29 R31	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R32	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) MCR100JZHJ 0.68 Ω (R68)		
R33	7030007630	1	MCR100JZHJ 0.68 Ω (R68)		
R34 R35	7030007630	S.RESISTOR S.RESISTOR	MCR100JZHJ 0.68 Ω (R68) MCR100JZHJ 0.68 Ω (R68)		
R38	7070000250	RESISTOR	CRH200 R-02J 4.7 Ω		
R41	7030008000	S.RESISTOR	ERJ1WYJ3R3H (3.3 Ω)		
R42 R44	7030008000	S.RESISTOR RESISTOR	ERJ1WYJ3R3H (3.3 Ω) ERX3SJ 3R9 (3.9 Ω)		
R45	7030005340	S.RESISTOR	RR0816P-332-D (3.3 kΩ)		
R46	7030008070	S.RESISTOR	RR0816P-273-D (27 kΩ)		
R47 R48	7030005980	S.RESISTOR S.RESISTOR	RR0816P-333-D (33 kΩ) RR0816P-222-D (2.2 KΩ)		
R49	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R50	7510000070	THERMISTOR	ERT-D2FHL 503S		
R51 R52	7030006140	S.RESISTOR S.RESISTOR	ERJ1WYJ560H (56 Ω) ERJ12YJ100H (10 Ω)		
R53	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R54	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		
R55 R56	7030003560 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)		
R57	7030006070	S.RESISTOR	ERJ12YJ101H (100 Ω)		
C1	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C2	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C3 C4	4030011600 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 102K-T-A		
C5	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C6	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C7 C8	4030006880 4510004640	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1H 472K-T-A ECEV1CA470SP		
C9	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C10	4010006350	CERAMIC	HE80SJ SL 301J 50V		
C11 C12	4030001190	S.CERAMIC S.CERAMIC	GRM42-6 B 472K 50PT GRM42-6 B 472K 50PT		
C14	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C15 C16	4030011600 4510004640	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA470SP		
C17	4040000690	BARRIERLAYR	UAT 08X 473K		
C18	4040000690	BARRIERLAYR	UAT 08X 473K		
C20 C21	4030011600 4030011760	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N GRM44-1 SL 682J 200PT		
C23	4030011760	S.CERAMIC	GRM44-1 SL 682J 200PT		
C25	4320001050	S.MICA	UC342H 3900J-T		
C27 C30	4040000690 4030011600	BARRIERLAYR S.CERAMIC	UAT 08X 473K C1608 JB 1C 104KT-N		
C33	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A		
C34 C35	4030006880 4030005110	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C2012 JB 1E 473K-T-A		
C36	4510004600	ELECTROLYTIC	16 MV 1000 HC		
C37	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C39 C40	4510004600 4510004600	ELECTROLYTIC ELECTROLYTIC	16 MV 1000 HC 16 MV 1000 HC		
C41	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
C42	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
C43 C44	4030011730 4030011730	S.CERAMIC S.CERAMIC	GRM42-6 CH 101J 500PT GRM42-6 CH 101J 500PT		
C45	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT		
C46	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT		
C47 C57	4010005820 4320001080	CERAMIC S.MICA	HM74SJ SL 121J 500V UC342H 4700J-T		
C58	4010005930	CERAMIC	HM11SJ SL 391J 500V		
C71 C72	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N		
C73	4510004630	S.ELECTROLYTIC	ECEV1CA100SR		
C74	4510004630	S.ELECTROLYTIC	ECEV1CA100SR		
C75 C76	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N		
C77	4510006220	S.ELECTROLYTIC	ECEV1CA101UP		
C78	4510006220	S.ELECTROLYTIC	ECEV1CA101UP		
C79 C80	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N		
C81	4510004630	S.ELECTROLYTIC	ECEV1CA100SR		
C82 C89	4510004630 4030011600	S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C1608 JB 1C 104KT-N		
O03	4030011600	J.CENAIVIIC	C 1000 JD 1C 104K I-N		

### [PA UNIT]

[	[PA UNIT]				
ſ	REF	ORDER		DESCRIPTION	
	<b>NO.</b> C93	<b>NO.</b> 4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
	C94	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
	C95 C96	4510005000	ELECTROLYTIC	16 MV 220 HC	
	C97	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	C99	4510004590	ELECTROLYTIC	16 MV 470 HC	
	C100	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	C101	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
Ł	C102 C103	4030006880 4510004630	S.CERAMIC S.ELECTROLYTIC		
	C103	4010005930	CERAMIC	HM11SJ SL 391J 500V	
	C105	4510006220	S.ELECTROLYTIC	ECEV1CA101UP	
	C107	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
- 1	C108 C109	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
	C110	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	C111	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
- 1	C112	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
ı	C113 C114	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
ı	C115	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	00				
١	RL1	6330001160	RELAY	AJV5341(JV1AP-DC12V)	
l	F1	5210000060	FUSE	FGB 5A	
1	F2	5220000230		S-N5054	
١	F3	5220000230	HOLDER	S-N5054	
		0510007000	CONTRICTOR	TDD DOLV A1	
١	J1 J2	6510007900 6510007900		TBP-P01X-A1 TBP-P01X-A1	
1	J2 J3	6510020000		52808-3090	
	J10	6510003080	1	RT01T-1.0B	
ı	J11	6510018960	S.CONNECTOR	B2B-PH-SM3-TB	
١					
-	WS1	8970022700		(2)/PA	
l	WS2	8970022760	CABLE	(1)/PA	
				B 40505	
-	EP1 EP2	0910048186	1	B 4856F FSOH050RN01	
-	EP3	6910000610	l	FSOH050RN01	
١	EP4	6510018330	TERMINAL	F4053A	
1	EP5	6510018330	1	F4053A	
	EP8 FP9	9021002002	ì	IRRAX 1.5(d) L=10 mm IRRAX 1.5(d) L=10 mm	
-	EP10	9006400002		IRRAX 1.5(d) L=21 mm	
١	EP11	9034701901	TUBE	IRRAX 0.7(d) L=20 mm	
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# SECTION 7 MECHANICAL PARTS

### [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
DS1	5030001420	DG041Z-5DC	1
EP1	6910011090	Sensor unit RMS20-250-201-P	1
EP2	6450001230	Plate HLJ0999-01-480	1
EP3	6450001230	Plate HLJ0999-01-480	1
ME1	5510000410	Meter ME-33	1
MP1	8210013960	1876 front panel	1
MP2	8010016720	1876 sub chassis	1
мР3	8930041380	1876 window plate	1
MP4	8930041270	1876 power button	1
MP5	8930041290	1876 4-key	1
MP6	8930041260	1876 key board	1
MP7	8930041310	1876 7-key	1
MP8	8930041300	1876 5-key	1
мР9	8930041320	1876 10-key	1
MP10	8930041280	1876 2-key	1
MP11	8610010250	Knob N251	4
MP12	8610010260	Knob N252	4
MP13	8610010270	Knob N253	1
MP14	8610008570	Knob N96 (A)	1
MP15	8930041390	1876 D-rubber	1
MP19	8310039440	1876 name plate	1
MP20	8930041060	1876 brake plate	1
MP21	8930027470	1296 brake pad	1
MP23	8810008660	PH BT M3 × 8 NI-ZU	6
MP24	8810008760	PH BT M2 × 8 NI-ZU	1
MP25	8810008760	PH BT M2 × 8 NI-ZU	2
MP26	8810008810	PH BT M2 × 6 NI-ZU	6
MP27	8810008810	PH BT M2 × 6 NI-ZU	6
MP28	8810003960	Setscrew A M2.6 x 5	2
MP29	8820000770	1296 screw	1
MP30	8810009390	PH BT M3 × 18 NI-ZU	1
MP34	8810003540	Hex screw M4 x 6 ZK	1
MP35	8810008630	PH BT M3 × 6 NI-ZU	2
MP38	8930027460	1296 knob sheet	1
MP40	8810008760	PH BT M2 × 8 NI-ZU	2
MP41	8810008760	PH BT M2 x 8 NI-ZU	2
MP43	8930042810	1876 LCD cover	1
MP44	8850001650	Insulation flat washer (U)	2

### [SUB-LOGIC UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
R252	7210002890	Variable register RV-308	1
R256	7210002890	Variable register RV-308	1
MP1	8510001080	Shield case (A)	1
MP2	8510001101	Shield case cover(A) -1	1 1
MP3	8510005980	724 shield case	1
MP4	8510005990	724 shield case cover	1 :
MP5	8510005980	724 shield case	1
MP6	8510005990	724 shield case cover	1
MP7	8210013980	1876 reflector	1

## [PBT BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
R1	7210002970	Variable register RV-314	1
R2	7210002960	Variable register RV-313	1

### [RIT BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
S1	2250000340	Encoder EVQ-VCJF0324B	1

### [PHONE BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450001530	Connector HLJ5815-01-4030	1

### [KEY BOARD]

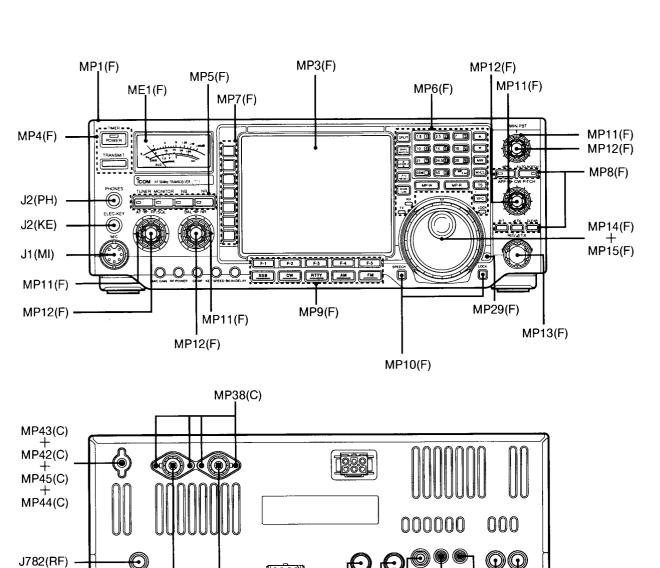
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450001790	Connector HLJ7000-01-3010	1

### [MIC BOARD]

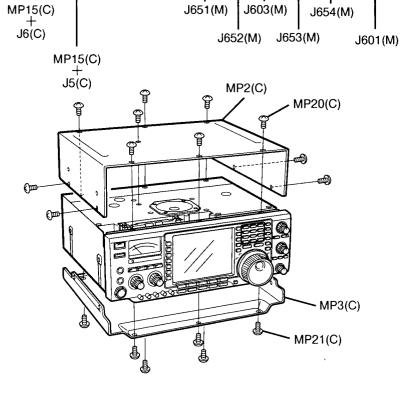
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510000190	Connector FM214-8SS (P)	1

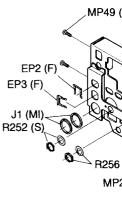
### [CHASSIS PARTS]

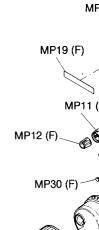
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J5	6510000370	Connector MR-DS	1
J6	6510000370	Connector MR-DS	1
EP1	6910000340	Insulation sheet P101(KD)	1
EP2	6910000310	B312D insulation washer	1
MF1	2710000630	Fan FBA08T12HC	1
SP1	2510000760	SM-77KY0208	1
MP1	8410002041	1876 heatsink-1	1
MP2	8110005931	1876 T-cover -1	1
MP3	8110005921	1876 L-cover -1	1
MP4	8930041100	1876 A-plate	1
MP5	8510010730	1876 B-plate	1
MP6	8510010740	1876 C-plate	1
MP7	8510010750	1876 D-plate	1
MP8	8930041350	1876 main stand	2
MP9	8930041340	1876 sub stand	2
MP11	8930002910	Rubber foot (B)	2
MP12	8930002910	Rubber foot (B)	2
MP13	8930029730	1413 fan holder	1
MP15	8930037000	1691 earth plate	2
MP16	8930018520	TR crip (A)	2
MP17	8930018520	TR crip (A)	1
MP18	8930034480	1528 SP rubber	1
MP20	8810005770	Screw BiH M3 x 8 ZK	11
MP21	8810005770	Screw BiH M3 x 8 ZK	6
MP22	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP23	8810008660	Screw PH BT M3 x 8 NI-ZU	11
MP24	8810008660	Screw PH BT M3 x 8 NI-ZU	3
MP25	8810008660	Screw PH BT M3 x 8 NI-ZU	6

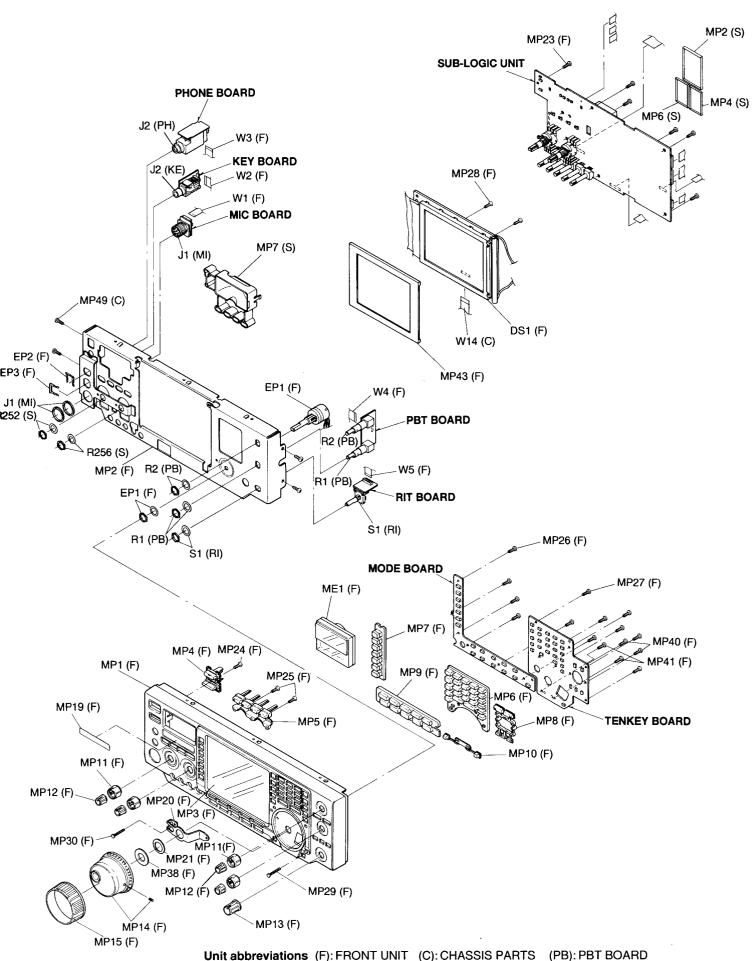


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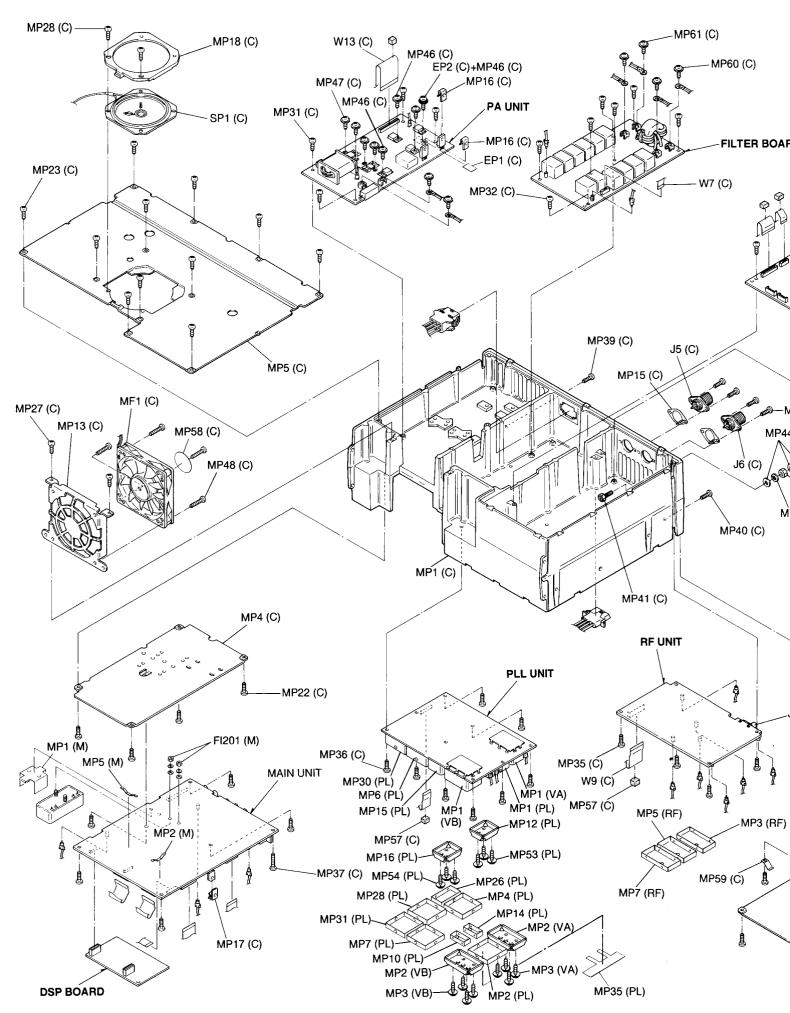




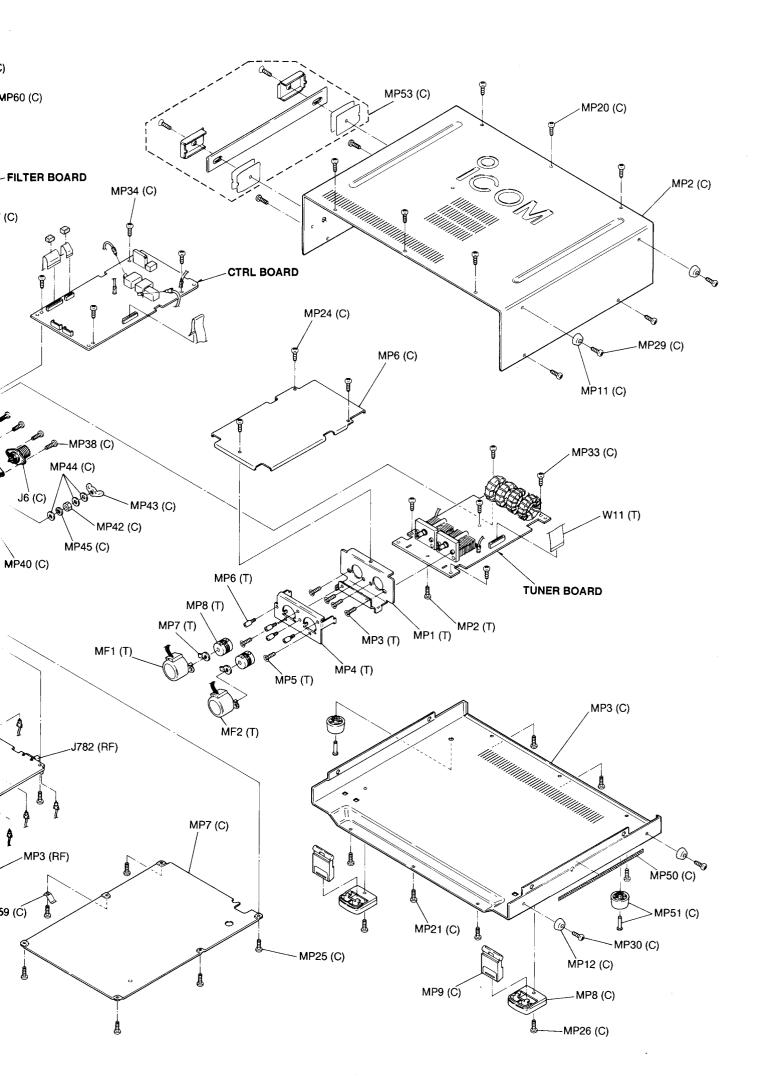




Unit abbreviations (F): FRONT UNIT (C): CHASSIS PARTS (PB): PBT BOARD (RI): RIT BOARD (S): SUB-LOGIC UNIT (MI): MIC BOARD (KE): KEY BOARD (PH): PHONE BOARD (RF): RF UNIT (M): MAIN UNIT



Unit abbreviations (C): CHASSIS PARTS (M): MAIN UNIT (RF): RF UNIT (T): TUNER UNIT (PL): PLL UNIT (VA): VCO-A BOARD (VB): VCO-B BOARD



## [CHASSIS PARTS]

•			
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP26	8810008660	Screw PH BT M3 × 8 NI-ZU	2
MP27	8810008660	Screw PH BT M3 x 8 NI-ZU	2
MP28	8810008660	Screw PH BT M3 x 8 NI-ZU	2
MP29	8810001650	Screw PH FT M3 x 6	2
MP30	8810001650	Screw PH FT M3 x 6	2
MP31	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP32	8810008660	Screw PH BT M3 x 8 NI-ZU	7
MP33	8810008660	Screw PH BT M3 x 8 NI-ZU	5
MP34	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP35	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP36	8810008660	Screw PH BT M3 x 8 NI-ZU	8
MP37	8810008660	Screw PH BT M3 x 8 NI-ZU	6
MP38	8810008660	Screw PH BT M3 x 8 NI-ZU	4
MP39	8810008660	Screw PH BT M3 x 8 NI-ZU	1
MP40	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP41	8810008160	Hex volt M5 x 18 NI (+)	1
MP42	8830000210	Nut M 5 NI BS	1
MP43	8830000360	Wing nut M 5 NI	1
MP44	8850000150	Flat washer M 5 NI BS	3
MP45	8850000440	Spring washer M 5 NI	1
MP46	8810003170	Setscrew A M3 x 8	4
MP47	8810003170	Setscrew A M3 x 8	4
MP48	8810000420	Screw PH M4 x 18	4
MP49	8810009310	FH BT M3 × 6 NI-ZU	4
MP50	8930043340	Sheet	2
MP51	8930042690	Rubber foot (L) (FF-024-A4)	2
MP53	8010016950	1876 carrying handle	1
MP56	8810003080	OH M4 x 12 CR BS	2
MP57	8930027900	Sponge (DD)	2
MP58	8930038820	Alumi sheet (V)	1
MP59	8930001170	Earth spring (A)	1
MP60	8810003160	Setscrew A M3 x 6 [EUR], [FRA]	2
MP61	8810003160	Setscrew A M3 x 6	2
MP62	8810003160	Setscrew A M3 x 6 except [EUR], [FRA]	2
MP63	8810003160	Setscrew A M3 × 6	2
MP64	8930001880	Sponge (C)	1
MP65	8930043281	Sponge (EW)-1	1

### [MAIN UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8930011820	455 filter holder	1
MP2	8930014140	Earth spring (D)	1
MP3	8930043300	Rubber sheet (AG)	1
MP4	8930043500	1876 FL sheet [FRA], [DEN]	1
MP5	8930014140	Earth spring (D)	1

### [TUNER UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MF1	2710000460	Motor MP28GA	1
MF2	2710000460	Motor MP28GA	1
MP1	8930041090	1876 A-angle	1
MP2	8810008660	PH BT M3 × 8 NI-ZU	1
MP3	8810009060	FH M3 × 6 ZK	4
MP4	8930041110	1876 B-angle	1
MP5	8810009060	FH M3 × 6 ZK	2
MP6	8820000880	1528 screw	4
MP7	8930030111	1414 plate-1	2
MP8	8950003200	UJ6-5 (universal couplings)	2
MP9	8850001670	Insulation flat washer (V)	4
		1	

## [RF UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J782	6450001800	Connector JPJ1044-01-010	1
MP1	8510002020	MIX shield case	1
MP2	8510000230	220 shield case	1
MP3	8510000241	220 shield case cover-1	1
MP4	8510000230	220 shield case	1
MP5	8510000241	220 shield case cover-1	1
MP6	8510000230	220 shield case	1
MP7	8510000241	220 shield case cover-1	1

### [PLL UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510010760	1876 DDS case	1
MP2	8510010770	1876 DDS cover	1
MP3	8510010760	1876 DDS case	1
MP4	8510010770	1876 DDS cover	1
MP5	8510005330	Coil case	1
MP6	8510010760	1876 DDS case	1
MP7	8510010770	1876 DDS cover	1
MP8	8510005330	Coil case	1
MP9	8510005150	602 shield case	1
MP10	8510005160	602 shield case cover	1
MP11	8510010050	1691 shield case	1
MP12	8510010060	1691 shield cover	1
MP13	8510005150	602 shield case	1
MP14	8510005160	602 shield case cover	1
MP15	8510010050	1691 shield case	1
MP16	8510010060	1691 shield cover	1
MP19	8510005330	Coil case	1
MP22	8510005330	Coil case	1
MP25	8510005980	724 shield case	1
MP26	8510005990	724 shield case cover	1
MP27	8510010760	1876 DDS case	1
MP28	8510010770	1876 DDS cover	1
MP29	8510005330	Coil case	1
MP30	8510010760	1876 DDS case	1
MP31	8510010770	1876 DDS cover	1
MP32	8510005330	Coil case	1
MP33	8510005330	Coil case	1
MP34	8930014140	Earth spring (D)	1
MP35	8930043060	1876 earth plate	1
MP53	8810003960	Setscrew A M2.6 x 5	3
MP54	8810003960	Setscrew A M2.6 x 5	3
MP55	8930014140	Earth spring (D)	1

## [VCO-A,B BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510010970	1876 VCO case	1
MP2	8510010980	1876 VCO cover	1
MP3	8810004750	Setscrew A M2.6 x 4	4

## [UNPACKING]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210000080	Fuse FGB 20A	2
F2	5210000060	Fuse FGB 5A	1
W1	Optional product	DC power cable OPC-025 A	1
MC1	Optional product	Hand microphone HM-36	1

Screw abbreviations

BT: Self-tapping FT: Self-tapping PH: Pan head FH: Flat head BiH: Bind head NI-ZU: Nickel-zinc NI: Nickel BS: Brass ZK: Black

# SECTION 8 SEMI-CONDUCTOR INFORMATION

### • TRANSISTOR AND FET'S

2SA1576 R (Symbol: FR)	2SB1201 S (Symbol: B1201)	2SC1971	2SC1972	2SC2694
		BEC C	B <sub>E</sub> c	
2SC3647S (Symbol: CC)	2SC4081 R (Symbol: BR)	2SC4213 B (Symbol: AB)	2SC4403 3 (Symbol: LY3)	2SC4405 3 TL (Symbol: OY3)
2SC4673D (Symbol: CO)	2SD1406	2SD1619 (Symbol: DB)	2SJ144 GR (Symbol: VG)	2SK1740 (Symbol: IJ)
	B C E		S G	S G G
2SK210 GR (Symbol: YG)	2SK2171 4 (No symbol)	2SK508 K52 (Symbol: K52)	2SK515 (Symbol: X33)	2SK882 GR (Symbol: TG)
o s		S G	SET THE SET OF THE SET	D S S S S S S S S S S S S S S S S S S S
3SK131 (Symbol: VIT)	DTA114EE (Symbol: 14)	DTA114EU (Symbol: 14)	DTC114EE TL (Symbol: 24)	DTC114EU (Symbol: 24)
S C G G G G				
UMD3 (Symbol: D3)	<b>UN9211</b> (Symbol: 8A)		A Angel	

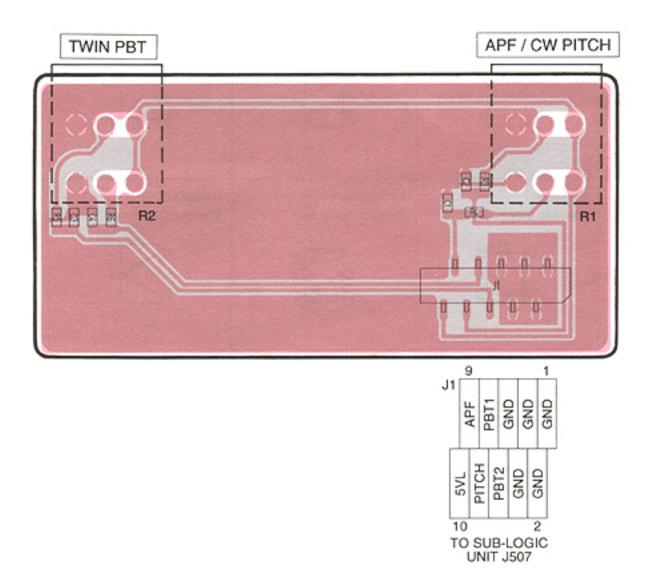
### • DIODES

1SS301	1SS319	1SV263	1SV265 TL	DAN222
(Symbol: B3)	(Symbol: A4)	(Symbol: JV)	(Symbol: LV)	(Symbol: N)
DAP222	DWA010	HSB88WSTR	HSM88AS	HSM88ASR
(Symbol: FR)	(Symbol: W8)	(Symbol: Silver line)	(Symbol: C1)	(Symbol: C3)
HVM17-01TR	MA862	RD5.1M B2	RD5.6M B2	RD7.5M T2B1
(Symbol: T6)	(Symbol: M1I)	(Symbol: 512)	(Symbol: 562)	(Symbol: 751)

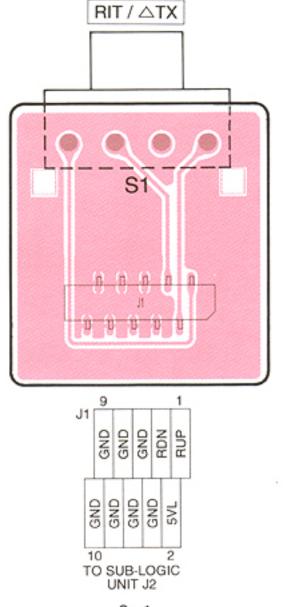
# SECTION 9 BOARD LAYOUTS

## 9-1 PBT AND RIT BOARDS

## PBT BOARD

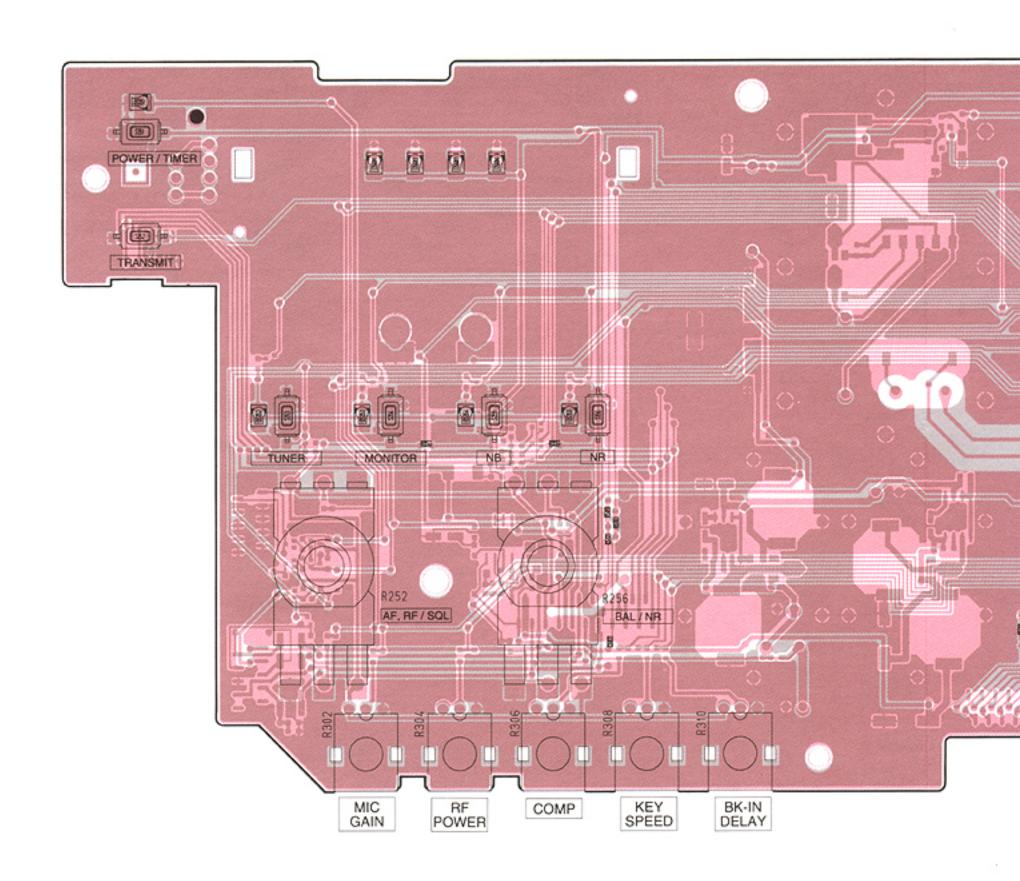


## RIT BOARD

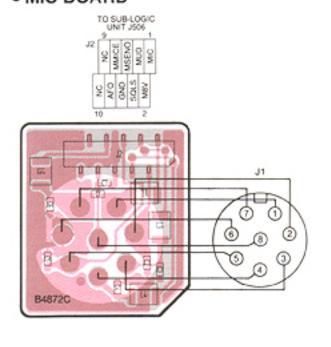


# 9-2 SUB-LOGIC UNIT, MIC, PHONE AND KEY BOARDS

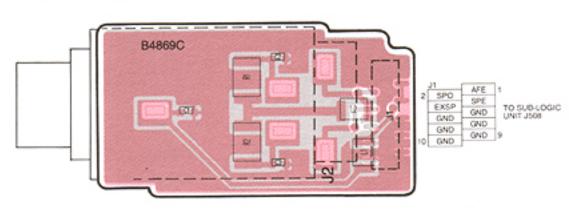
• SUB-LOGIC UNIT (TOP VIEW)

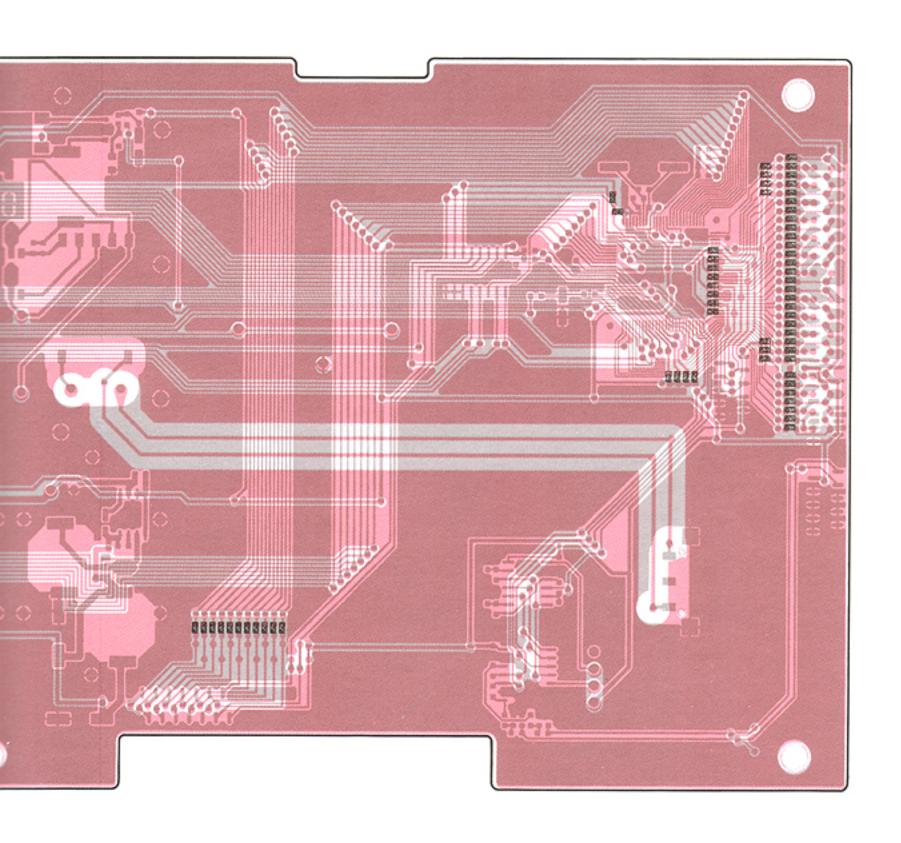


## MIC BOARD

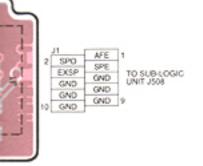


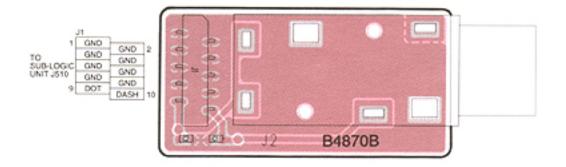
### PHONE BOARD



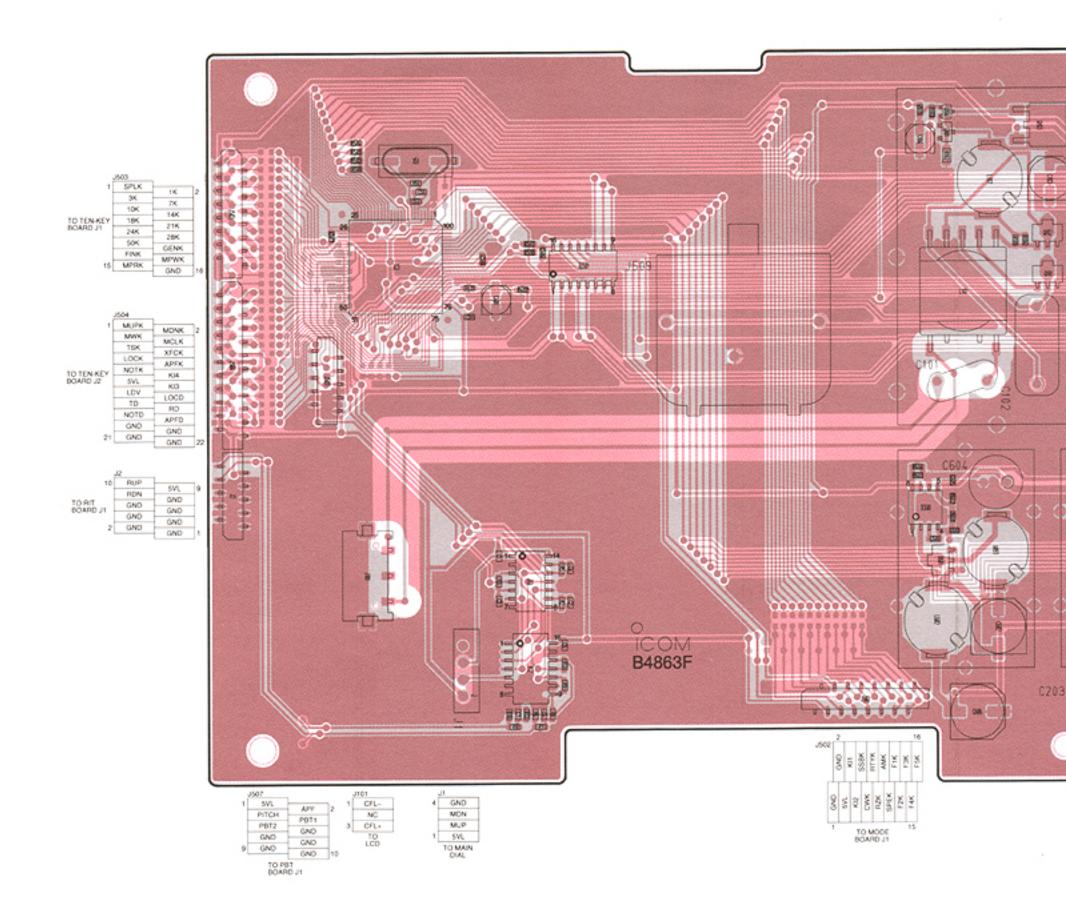


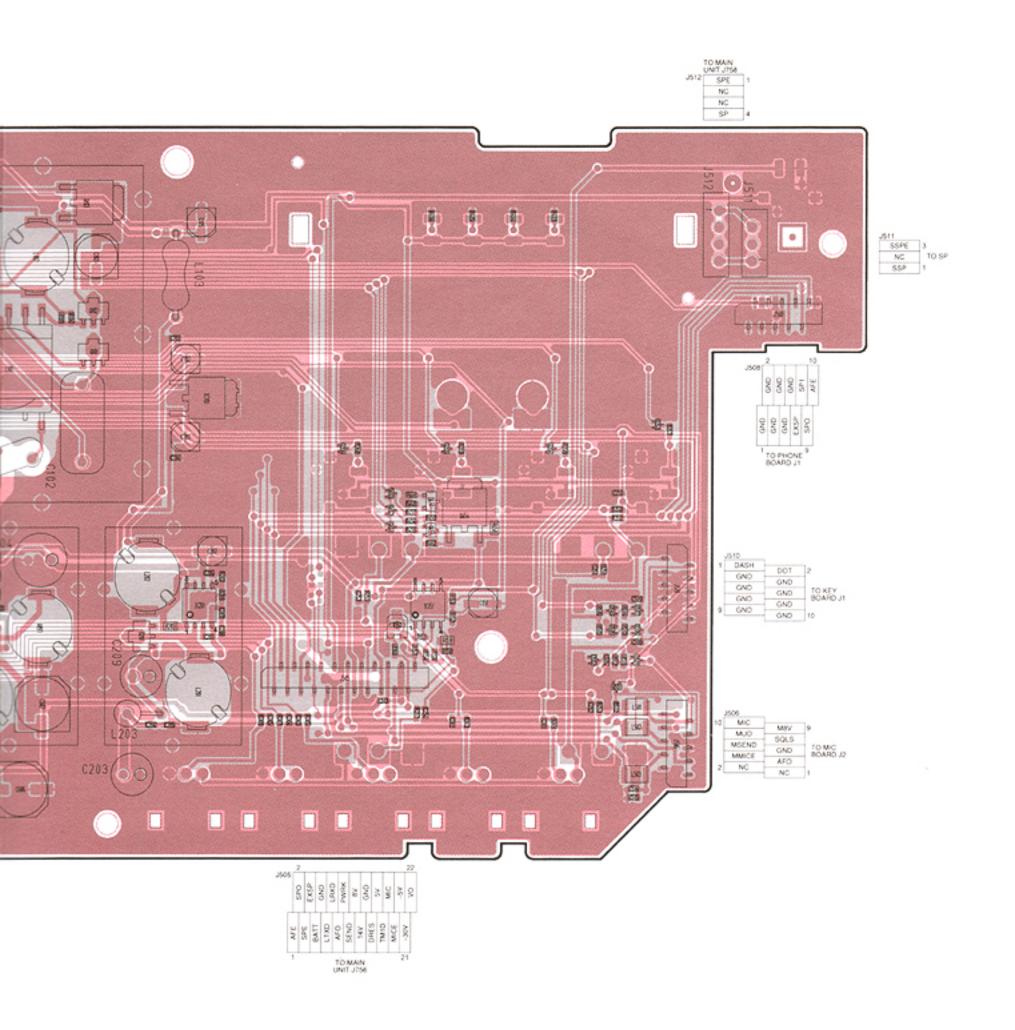
## KEY BOARD





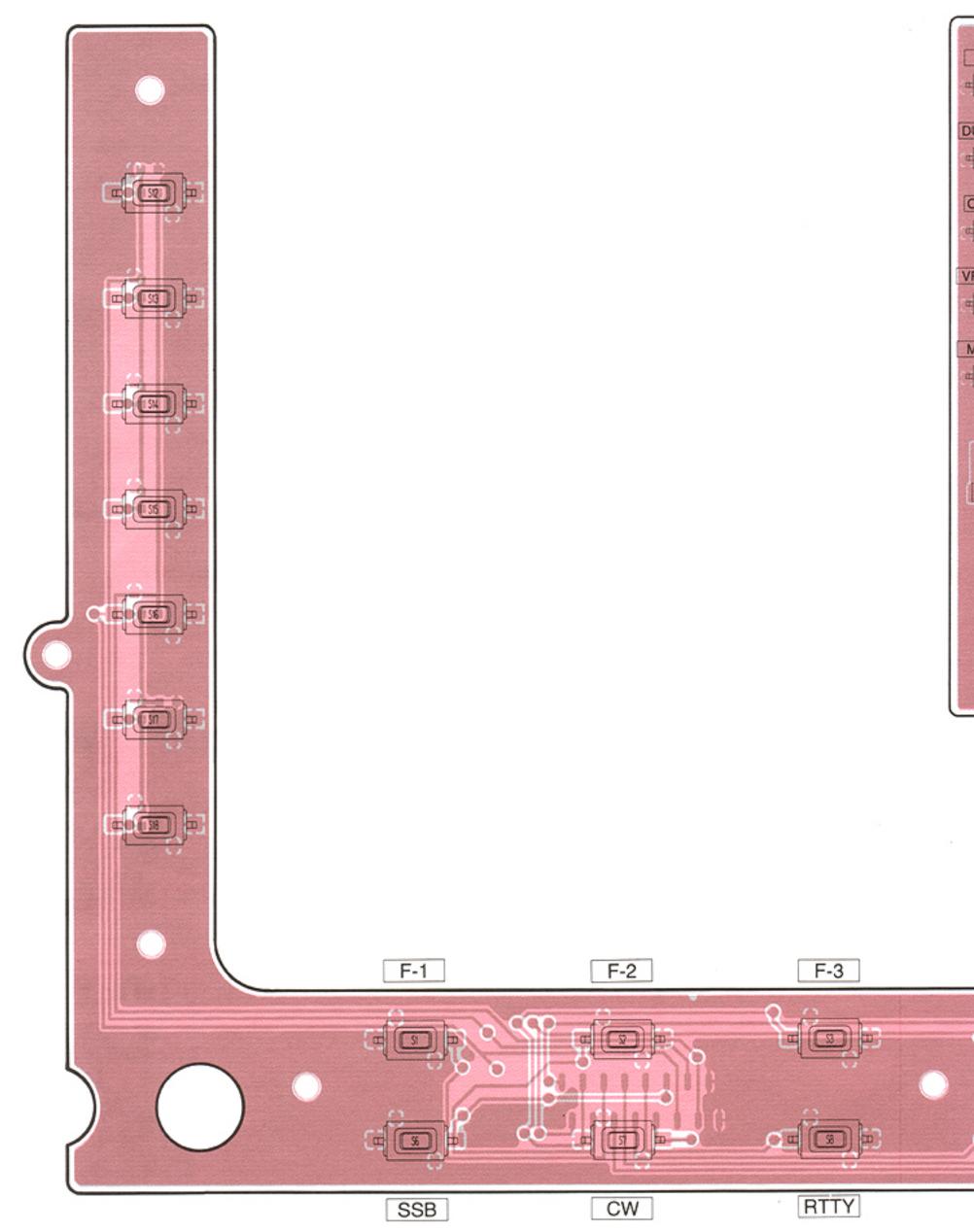
# • SUB-LOGIC UNIT (BOTTOM VIEW)



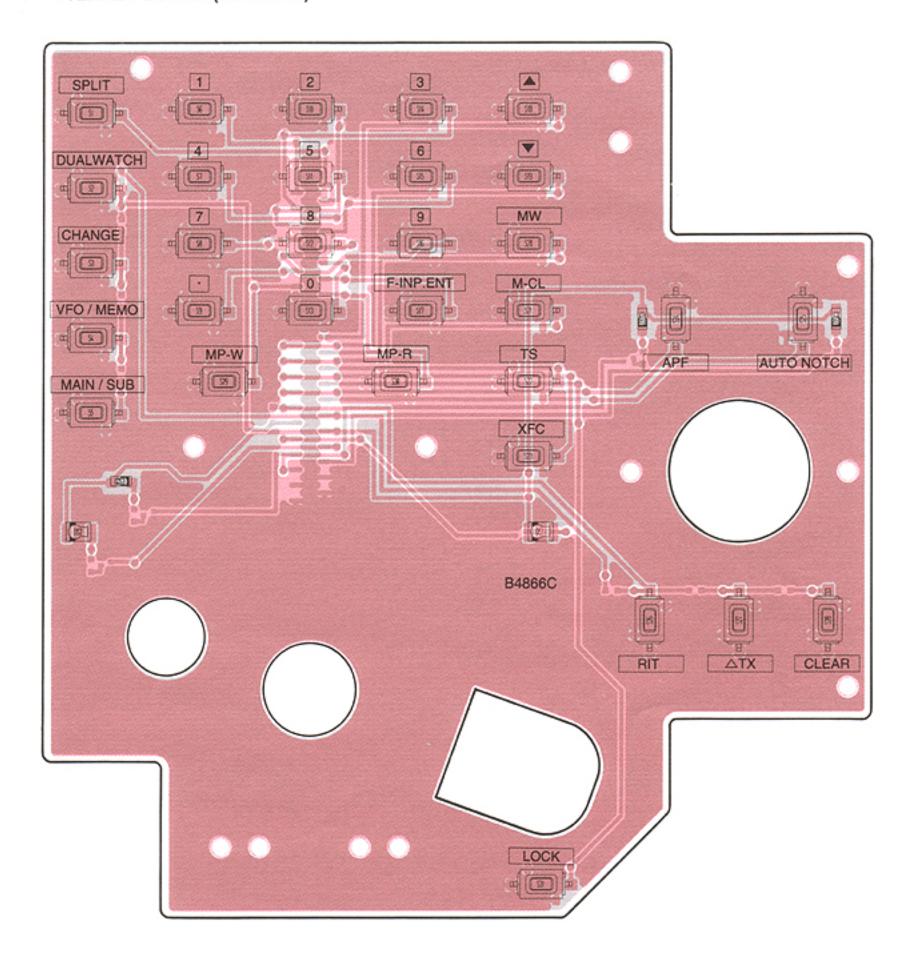


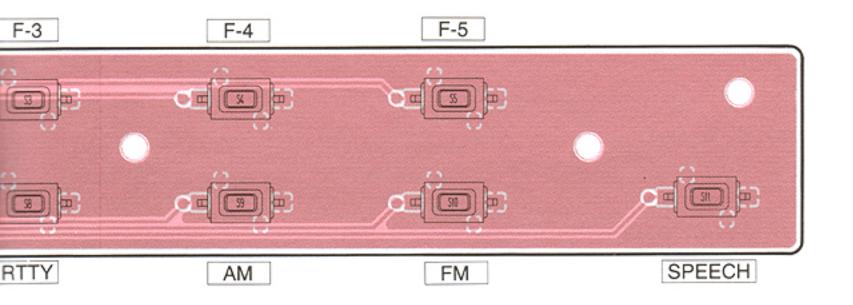
## 9-3 MODE AND TENKEY BOARDS

• MODE BOARD (TOP VIEW)

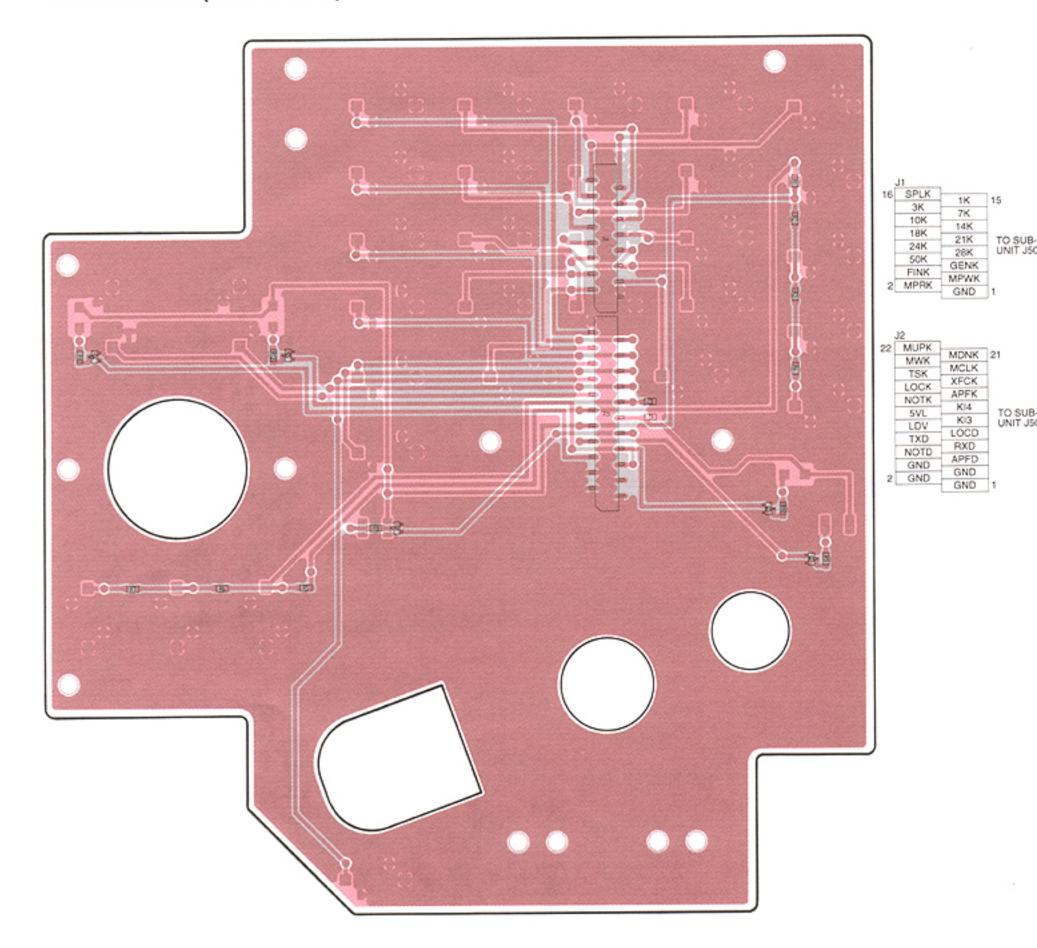


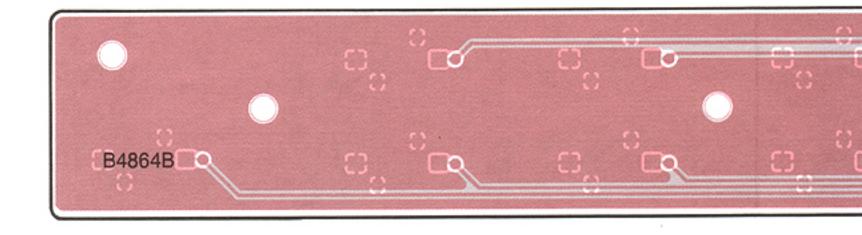
### • TENKEY BOARD (TOP VIEW)



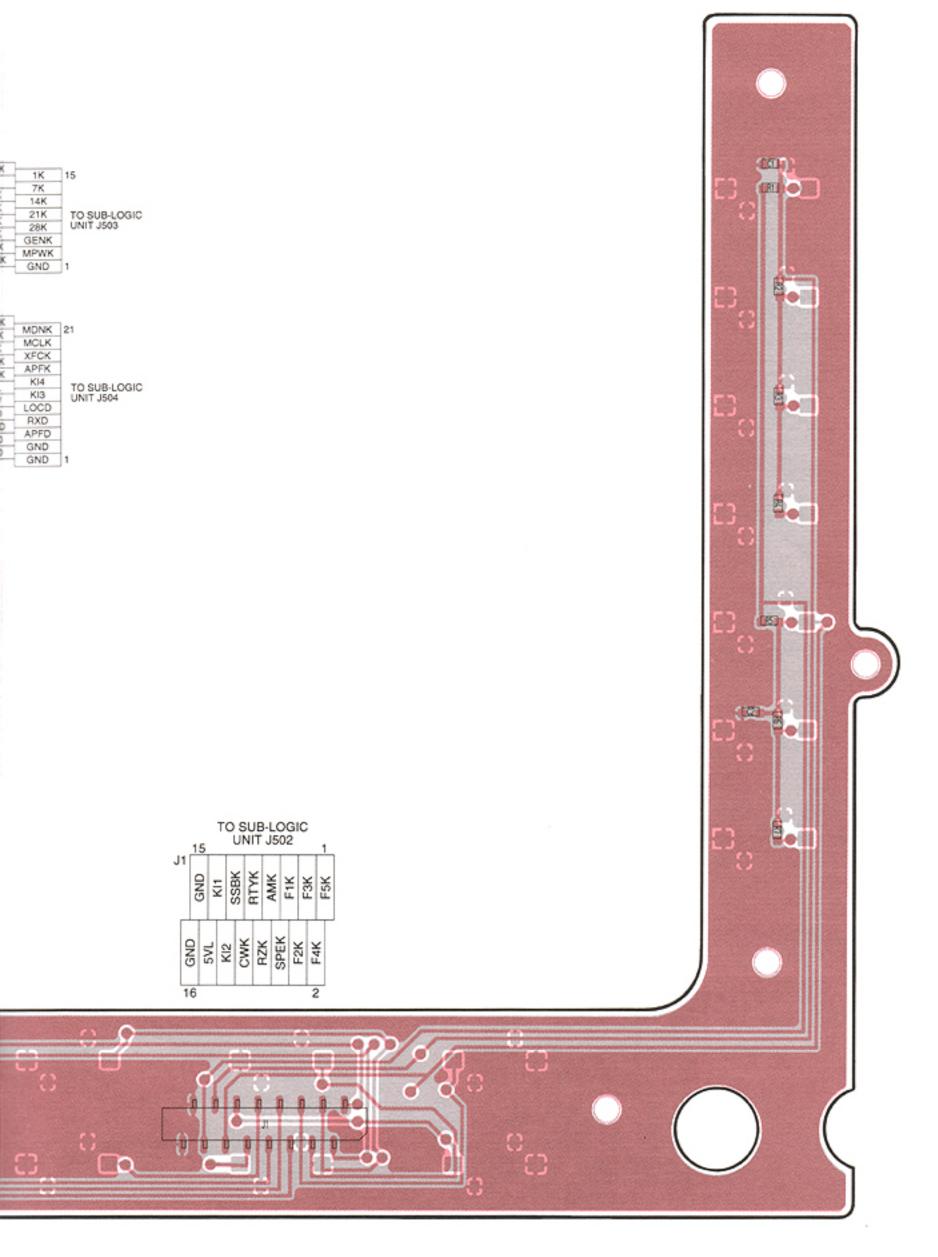


### • TENKEY BOARD (BOTTOM VIEW)

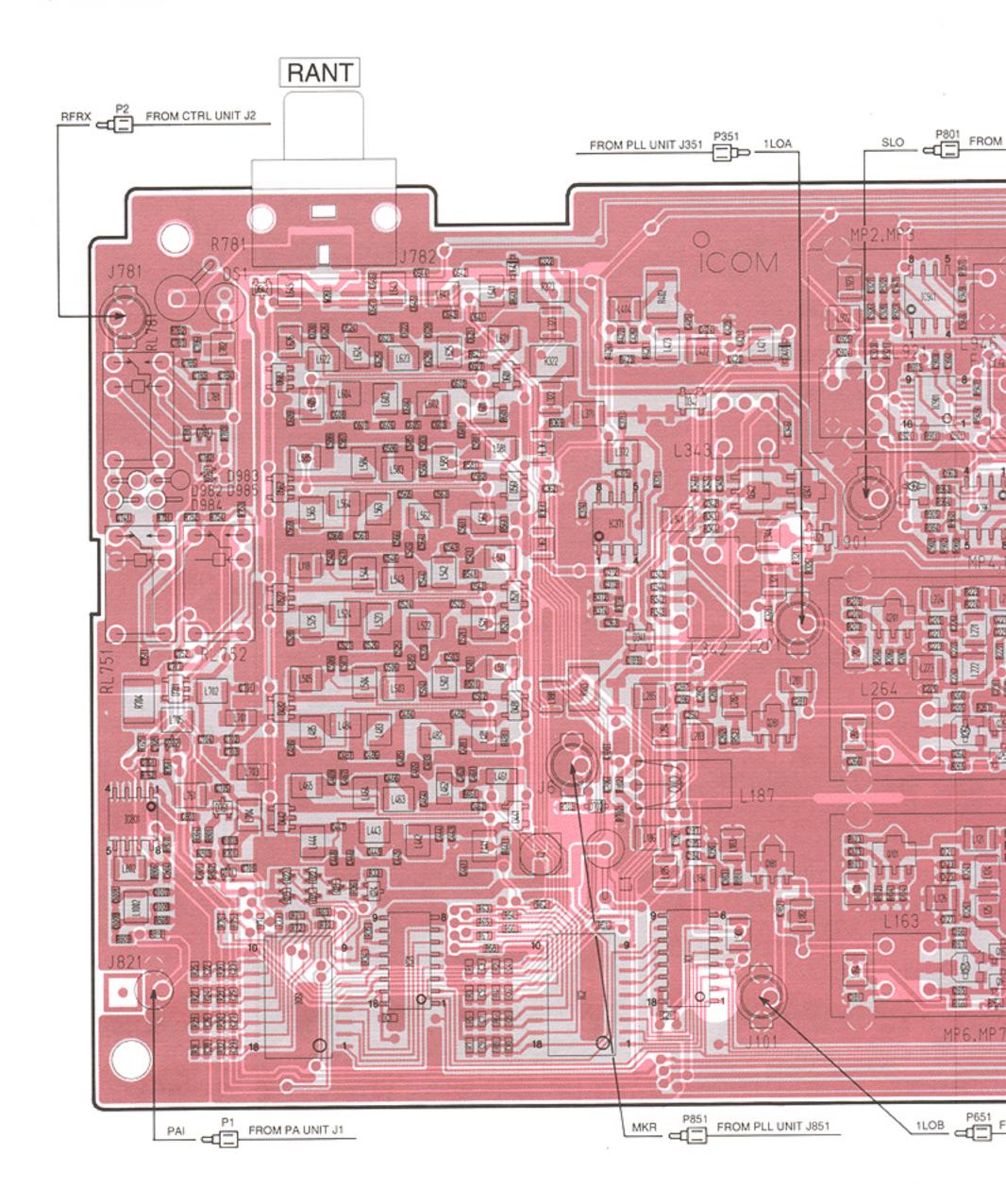


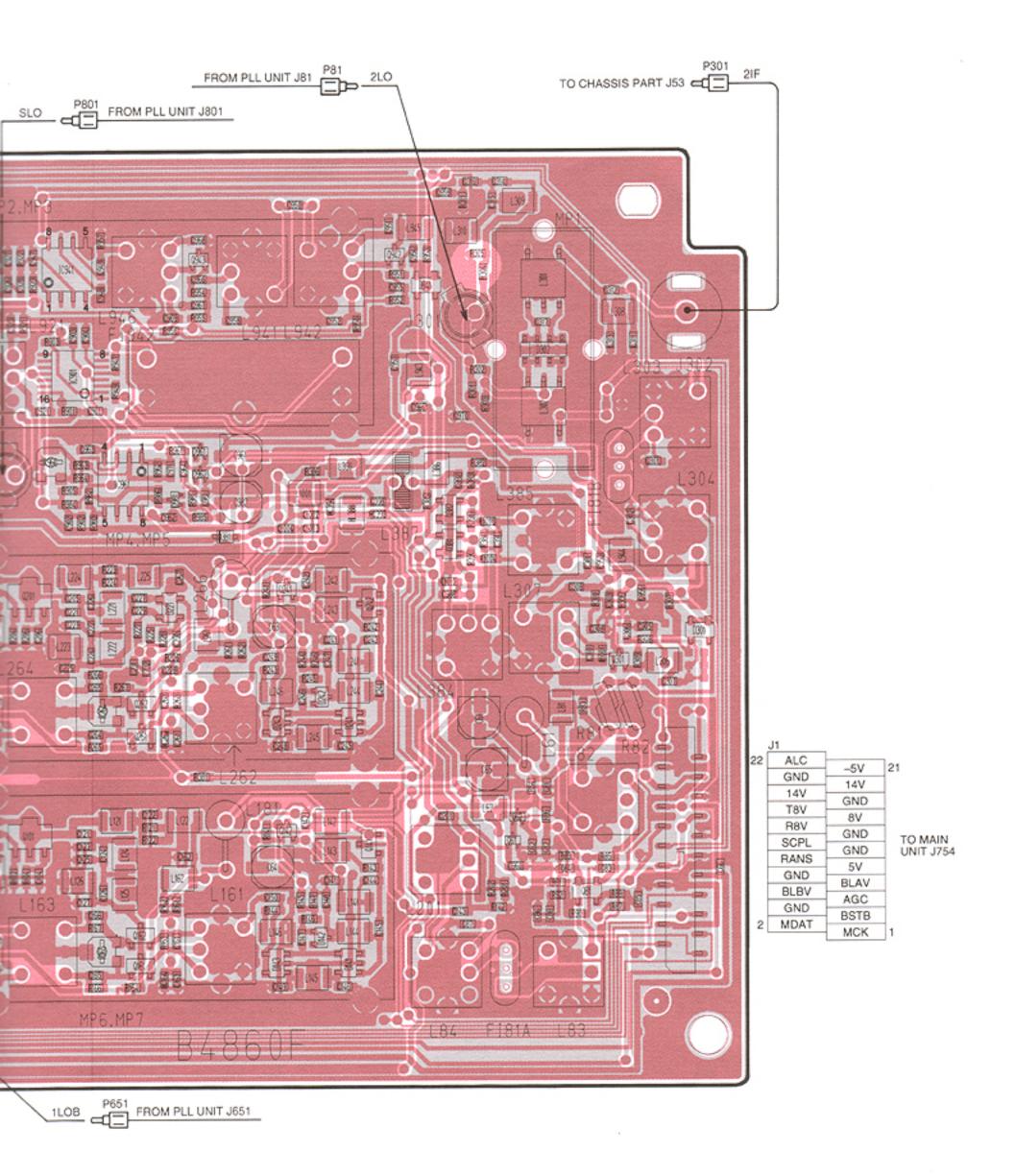


### • MODE BOARD (BOTTOM VIEW)

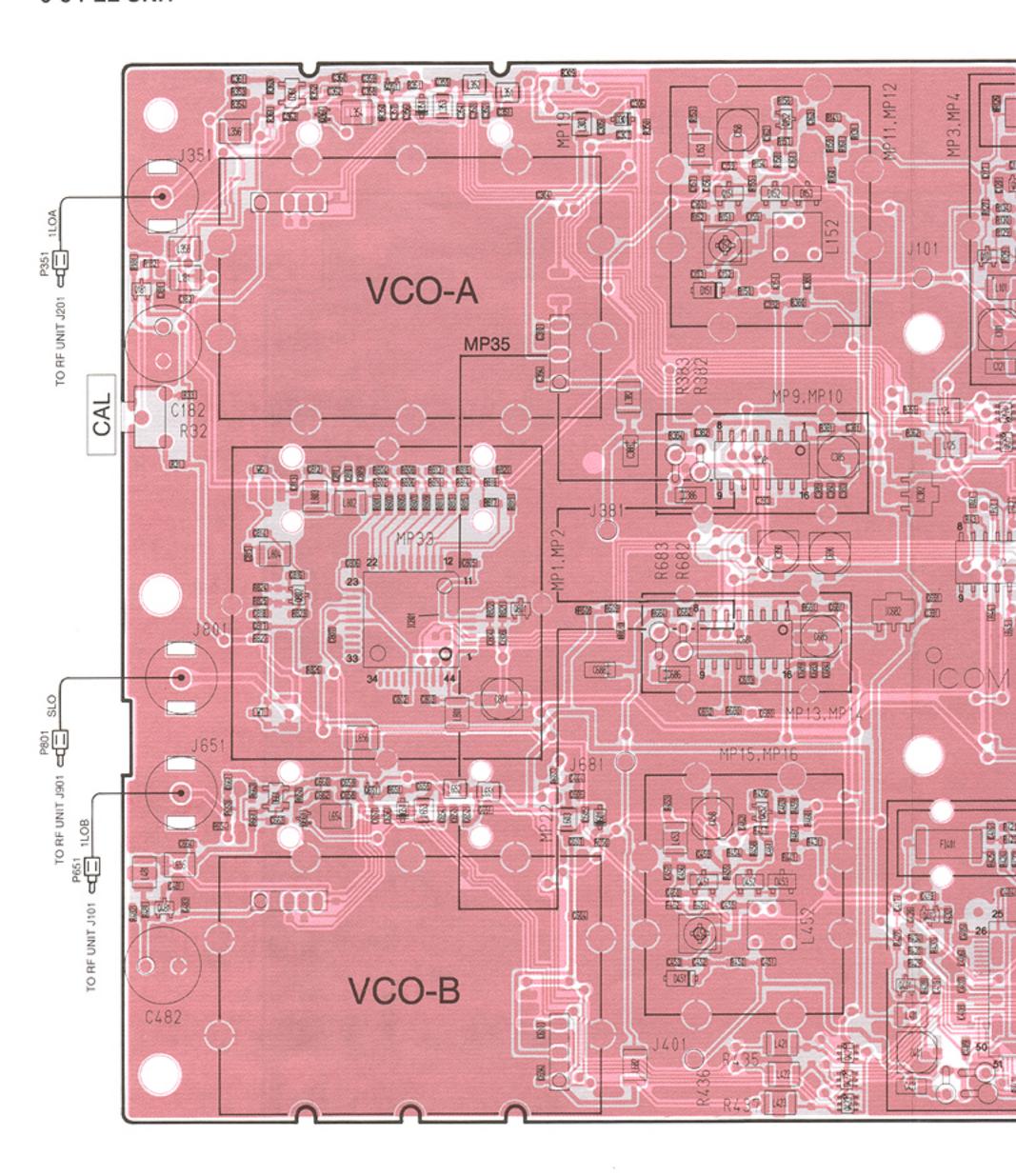


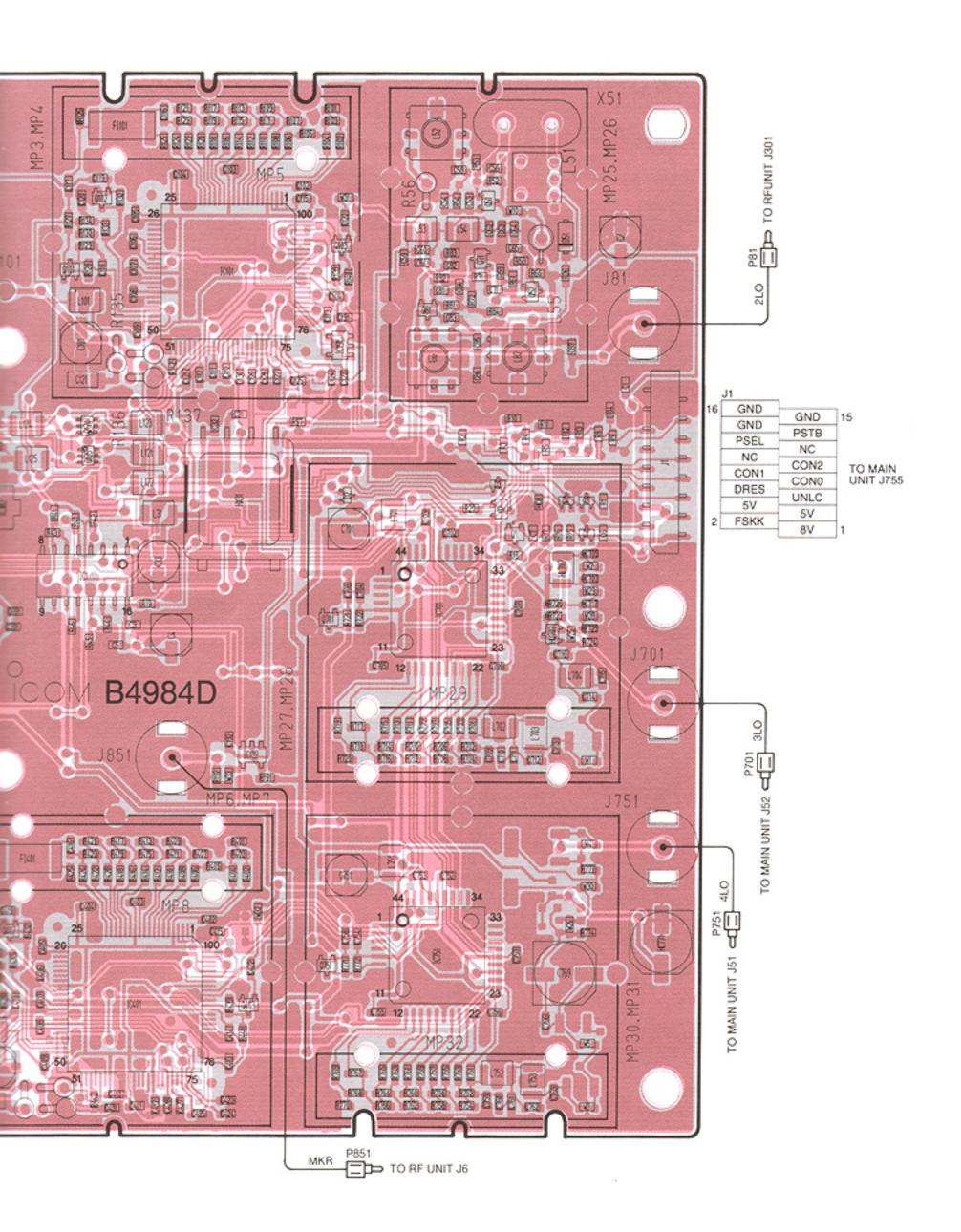
## 9-4 RF UNIT



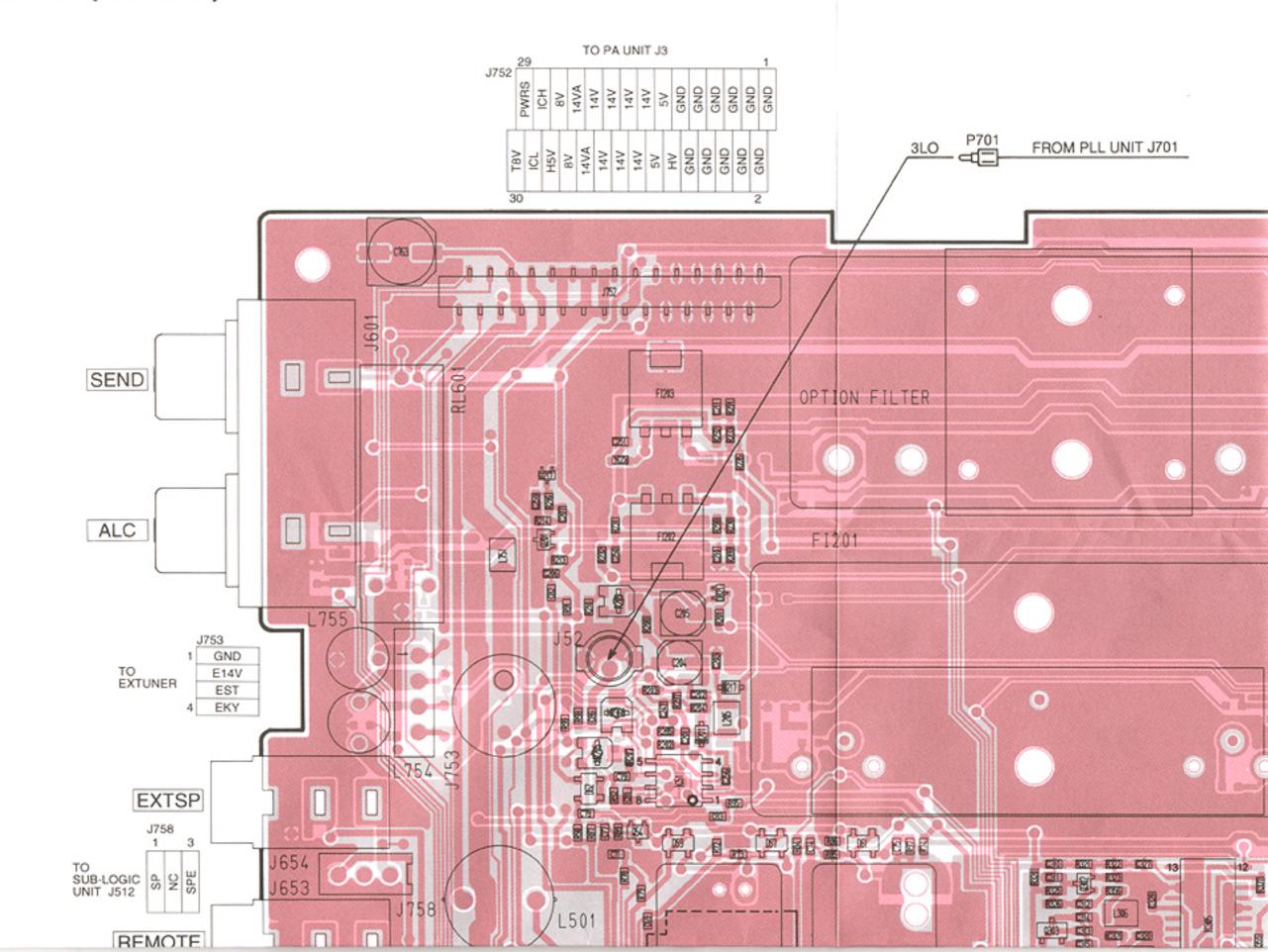


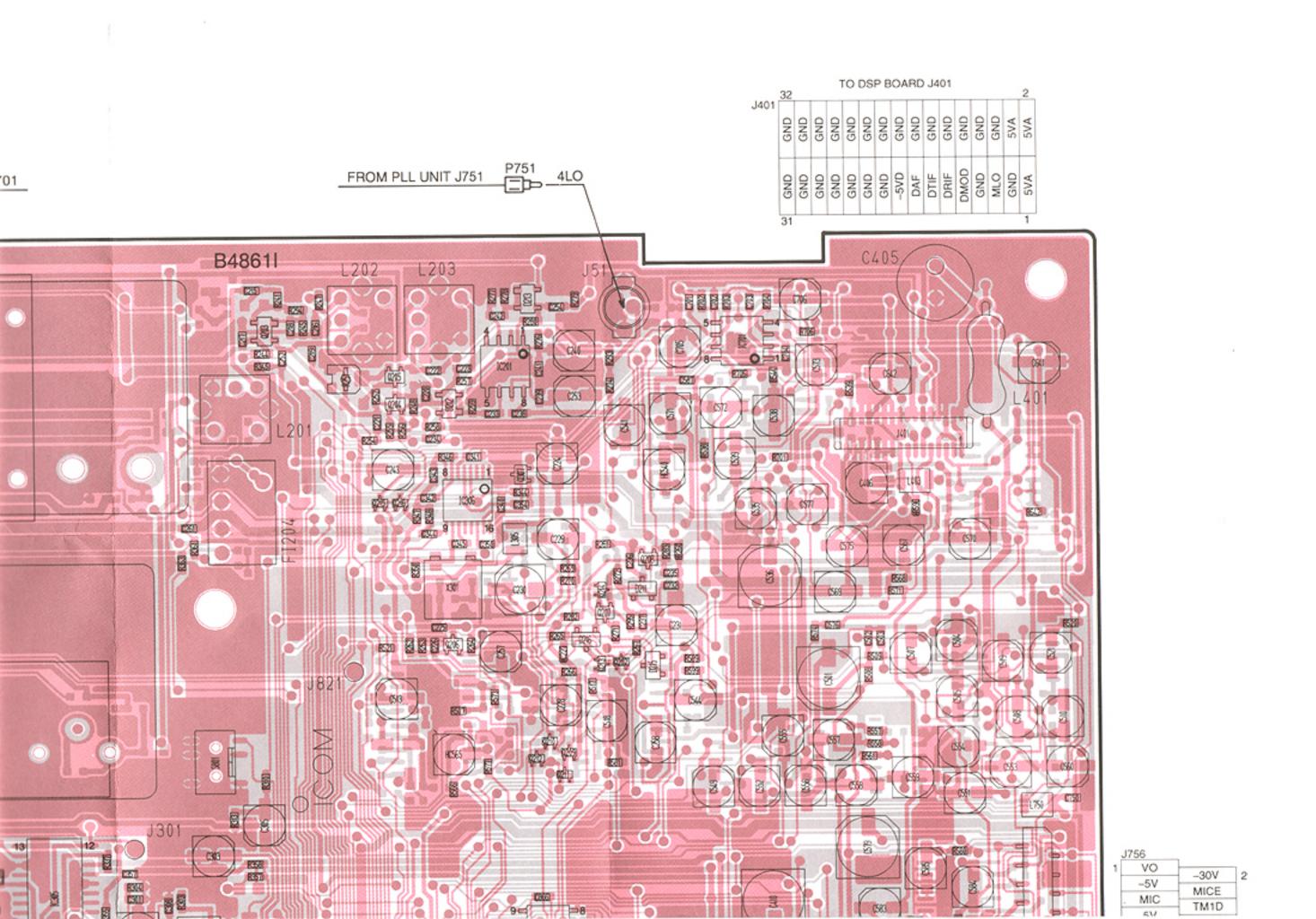
### 9-5 PLL UNIT

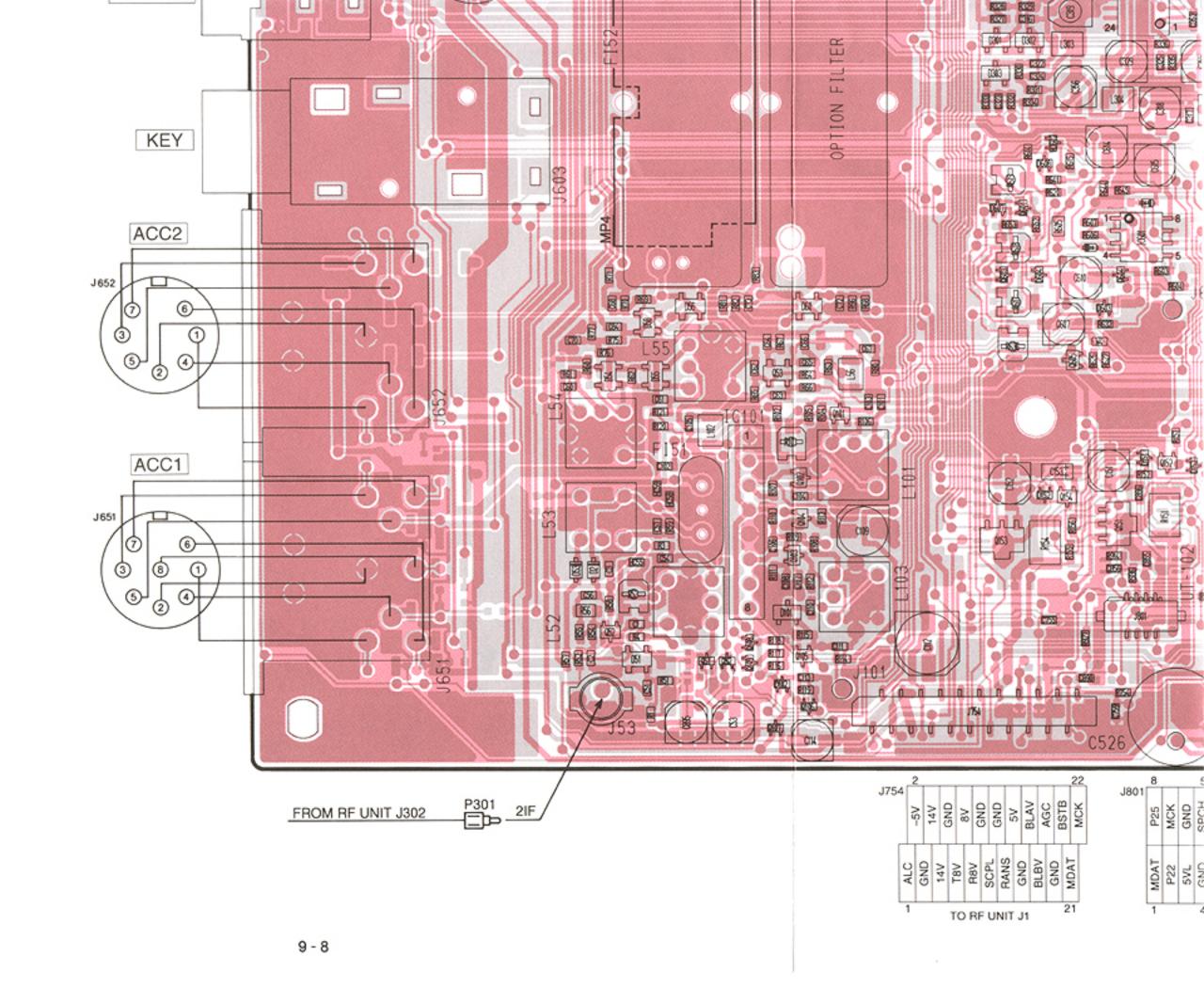


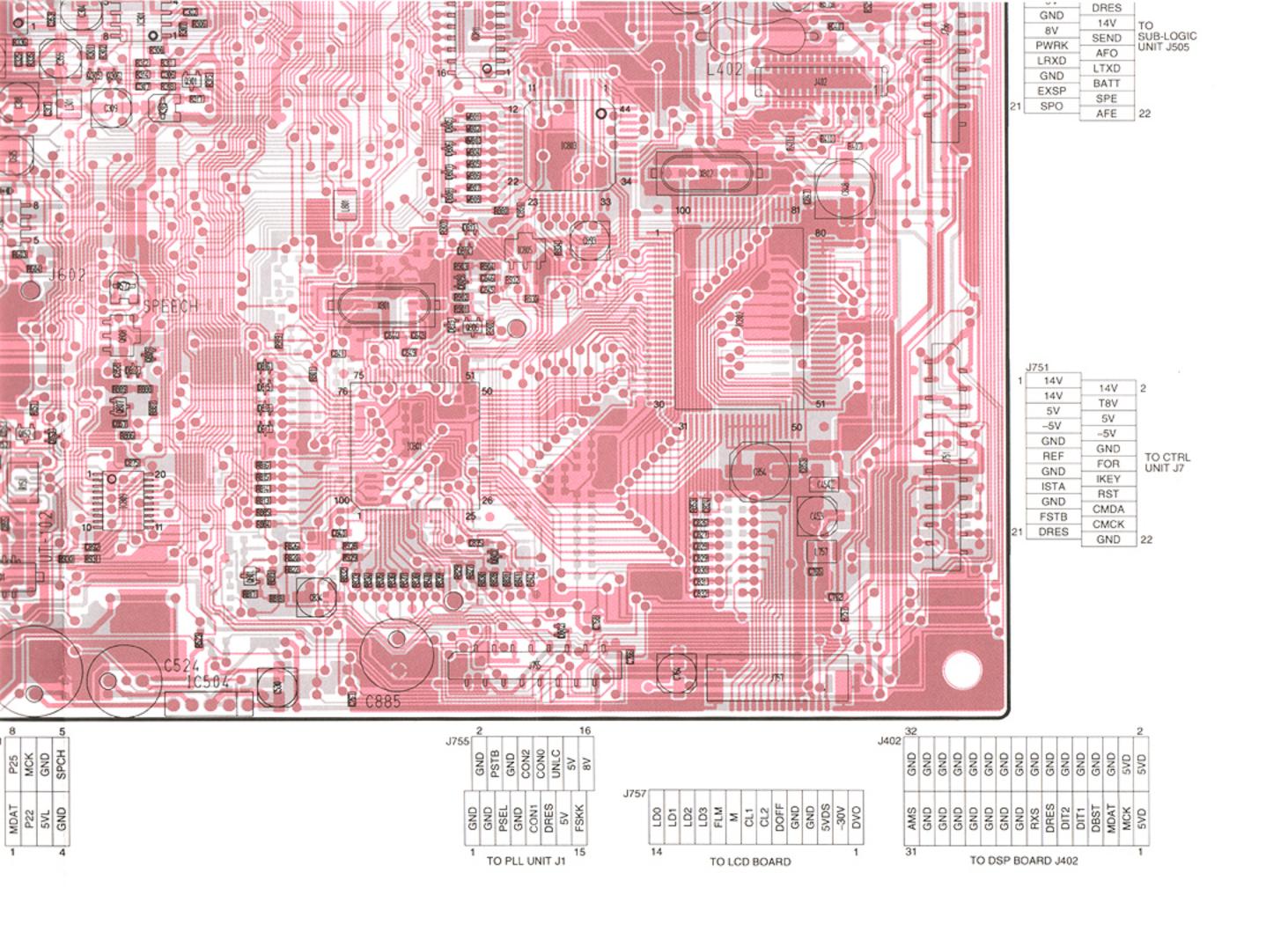


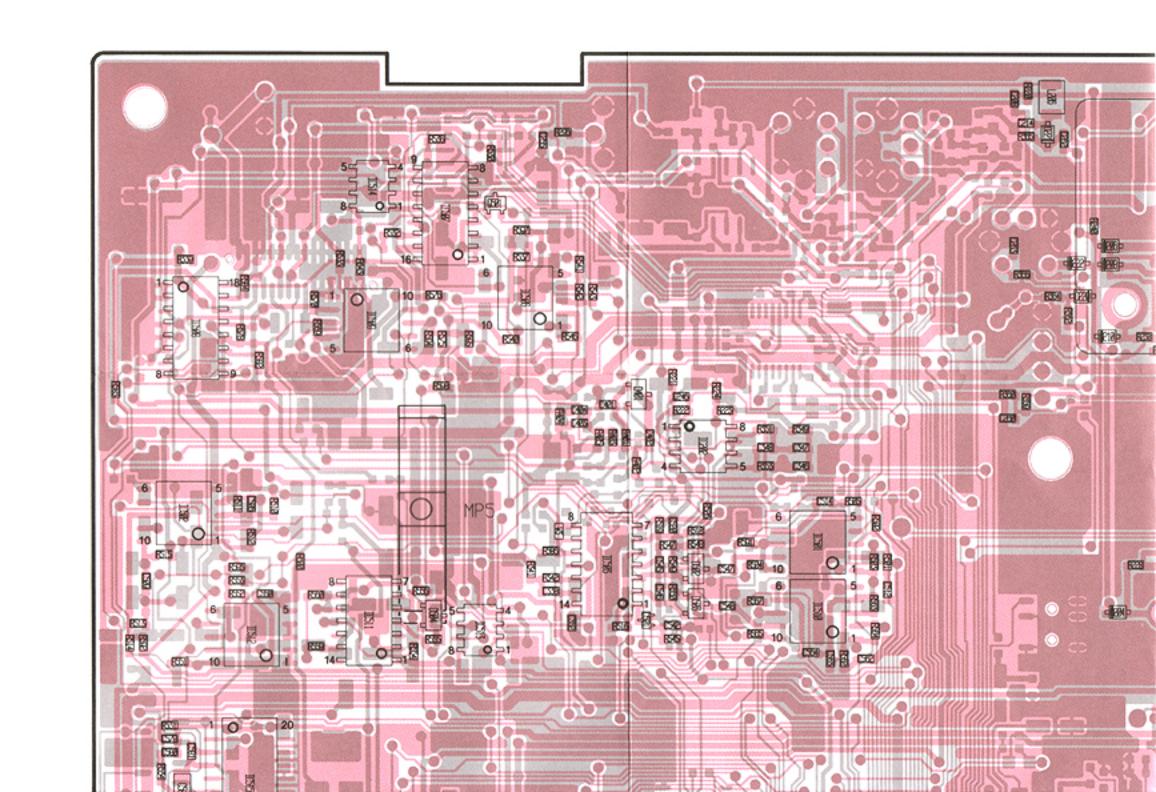
# 9-6 MAIN UNIT (TOP VIEW)

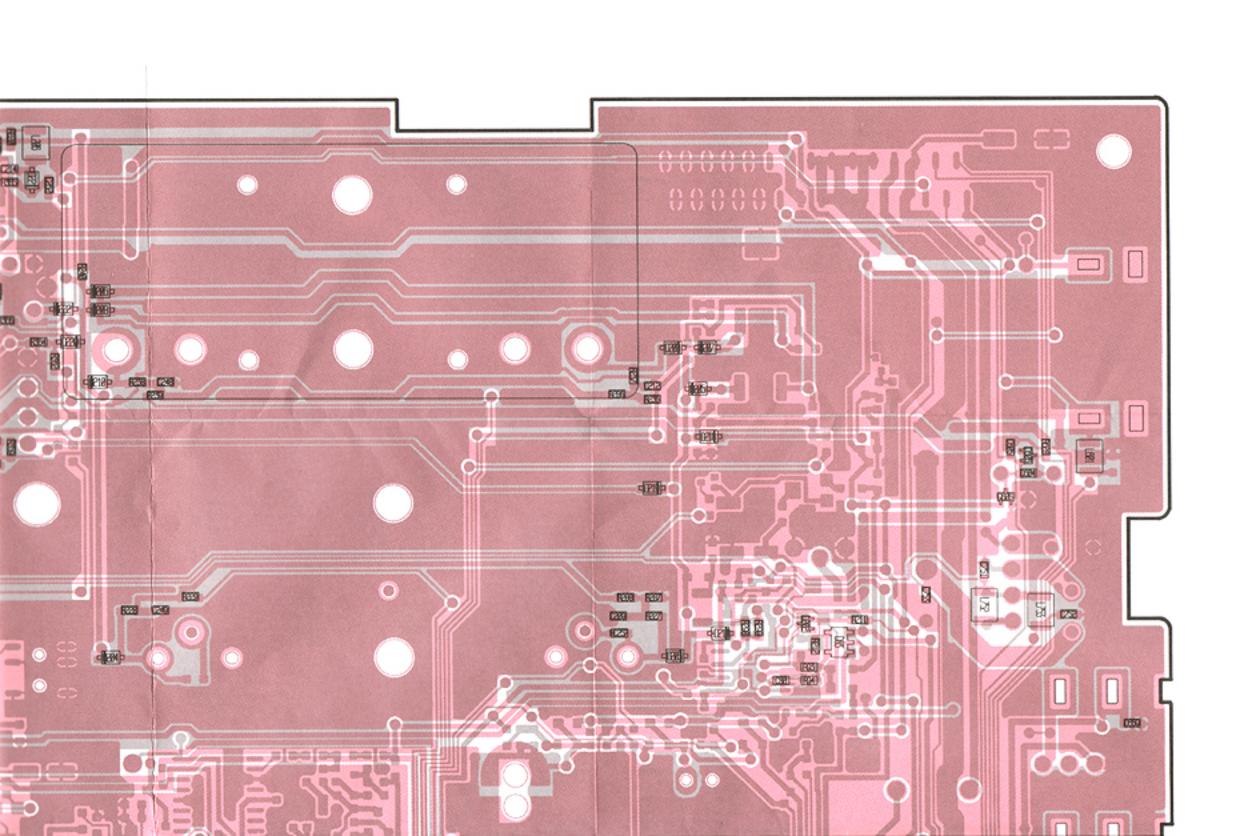


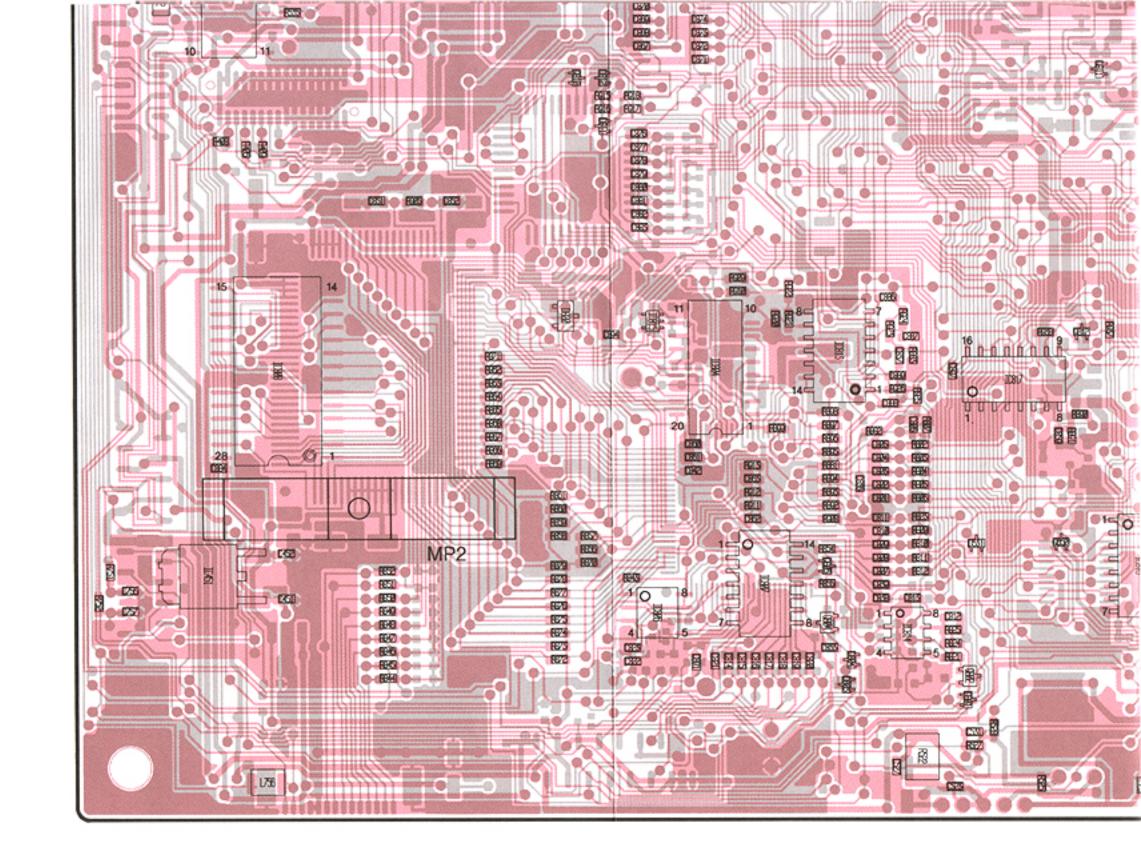


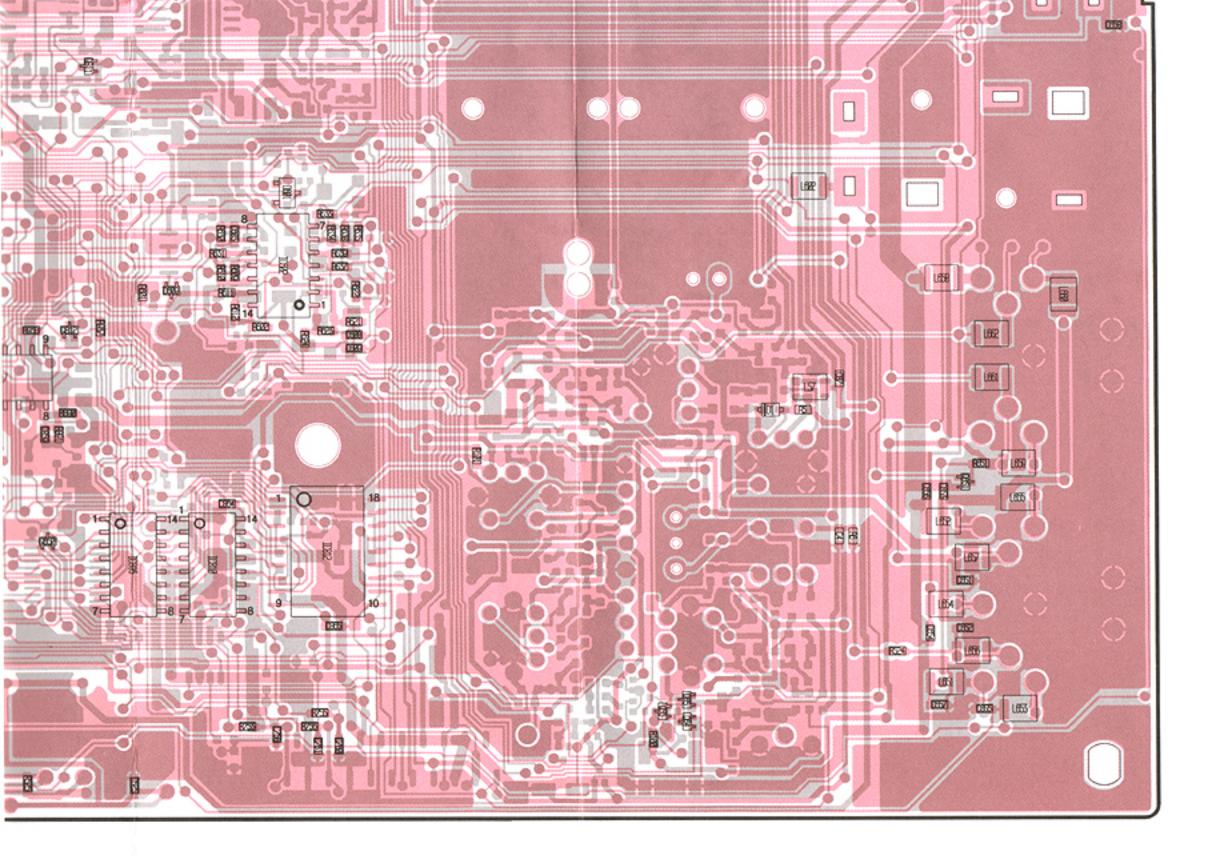






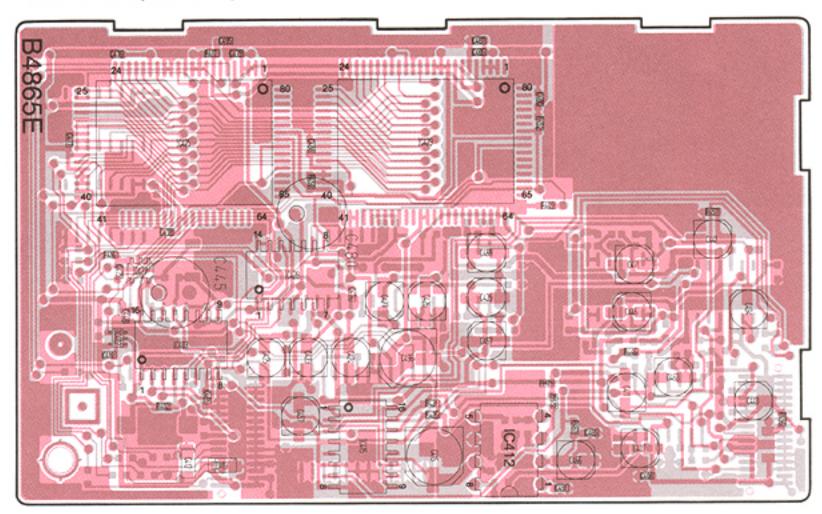




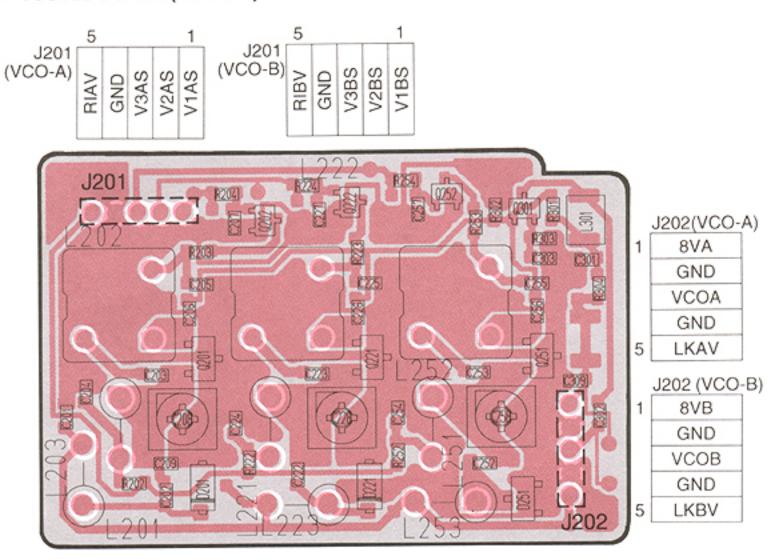


## 9-7 DSP AND VCO-A/B BOARDS

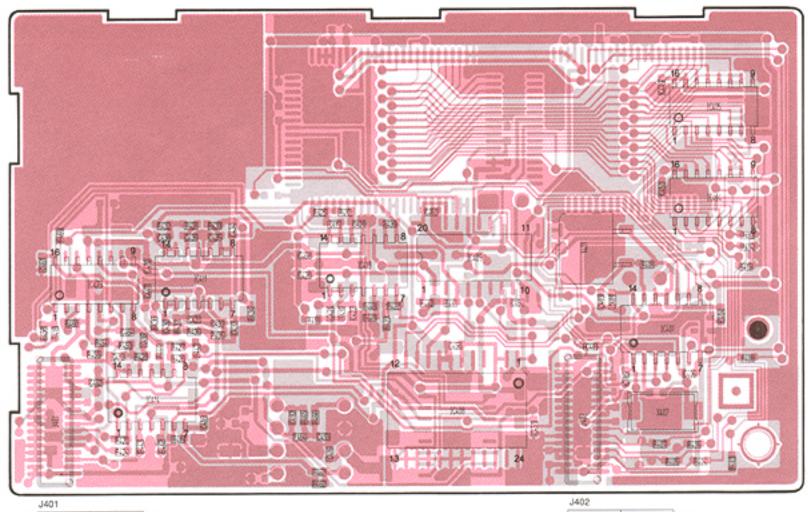
#### . DSP BOARD (TOP VIEW)



#### • VCO-A/B BOARD (Common)



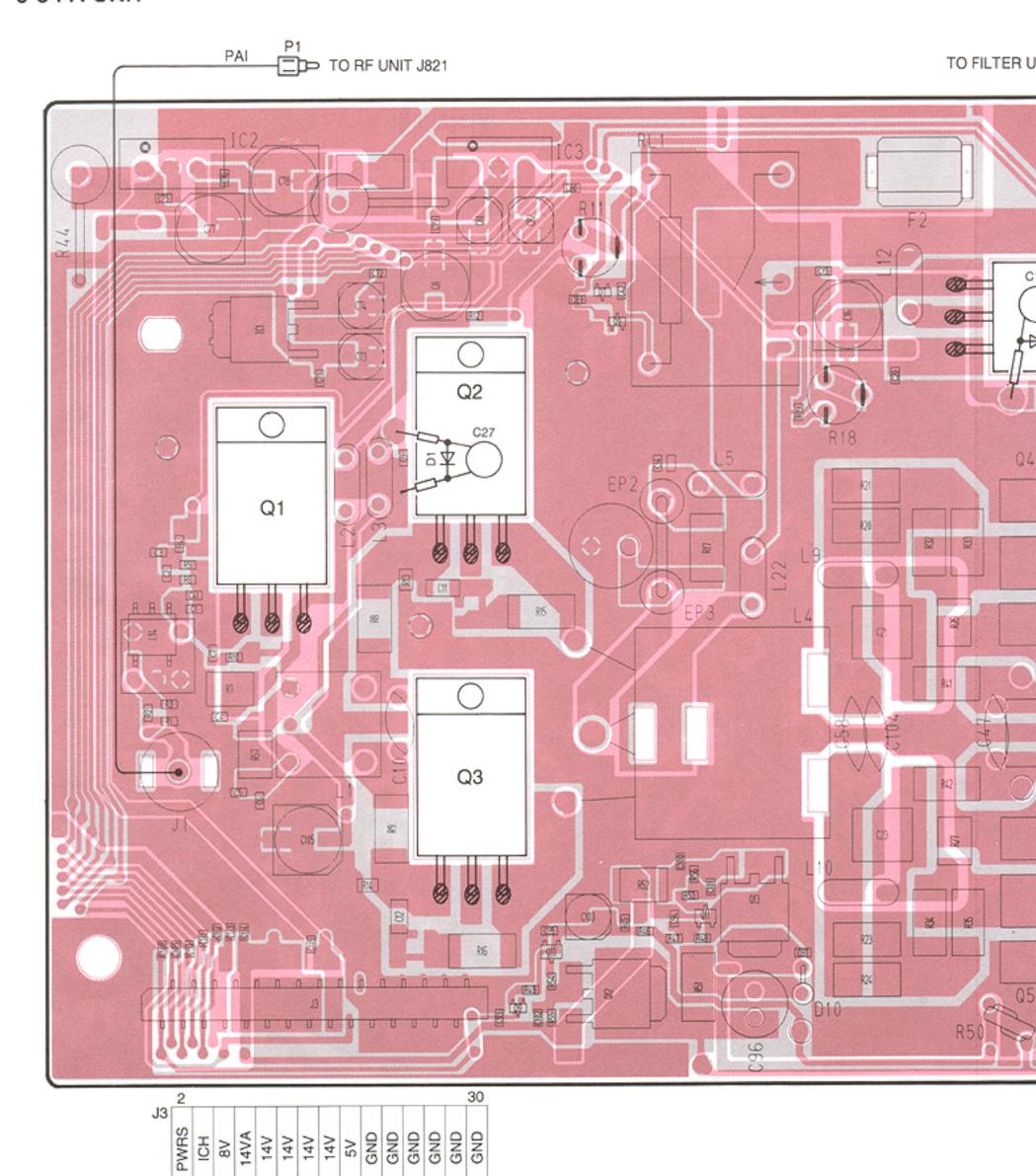
# • DSP BOARD (BOTTOM VIEW)



32	GND	GND	31
	GND	GND	
	GND	-5VD	TO MAIN
	GND	DAF	UNIT J401
	GND	DTIF	
	GND	DRIF	
	GND	DMOD	
	GND	GND	
	GND	MLO	
	5VA	GND	
2	5VA	5VA	1

	402		
32	GND	AMS	31
	GND	GNO	
	GND	GND	TO MAIN
	GND	RXS	UNIT J402
	GND	DRES	
	GND	DIT2	
	GND	DIT1	
	GND	DBST	
	GND	MDAT	
	5VD	MCK	
2	5VD	5VA	1

## 9-8 PA UNIT

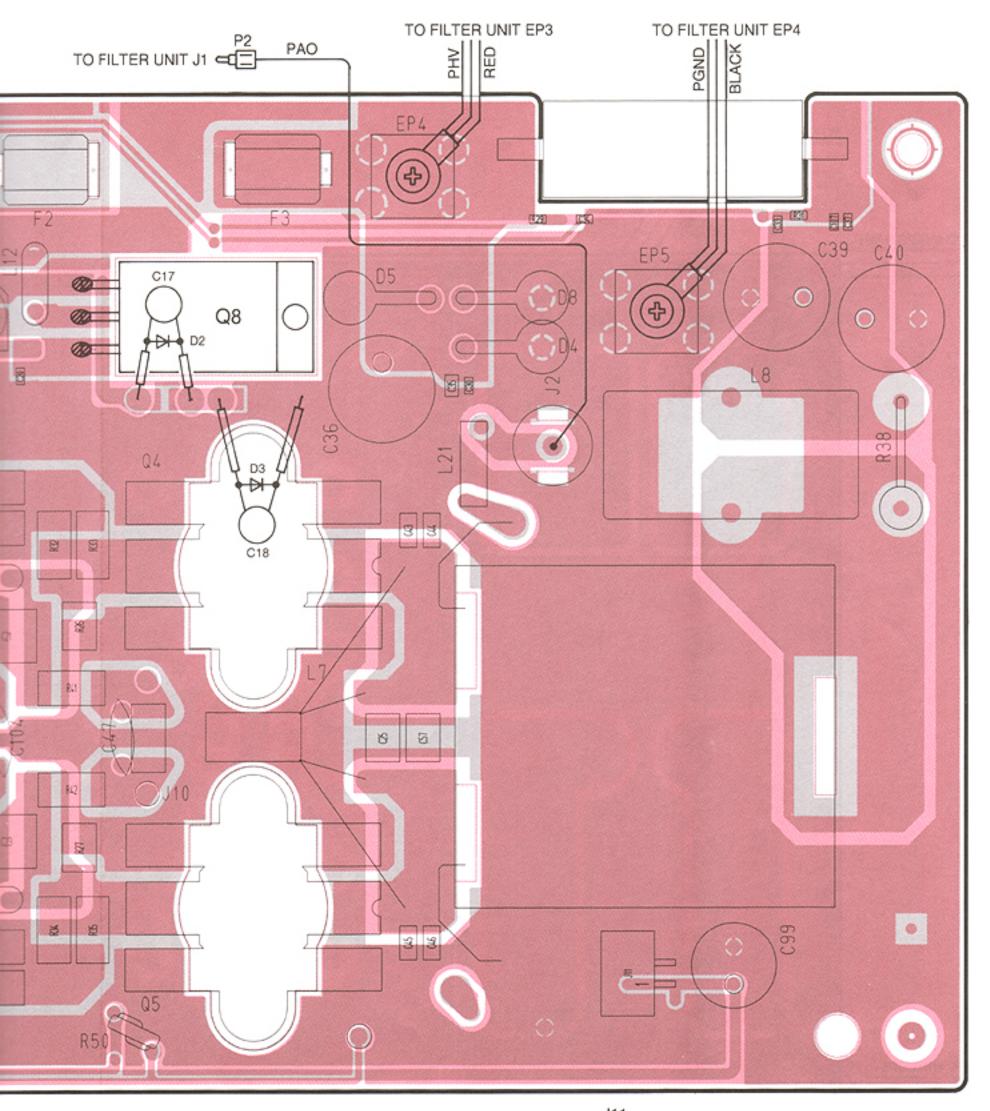


29

T8V H5V H5V 14VA 14VA 14VA 14V GND GND GND GND GND GND GND GND

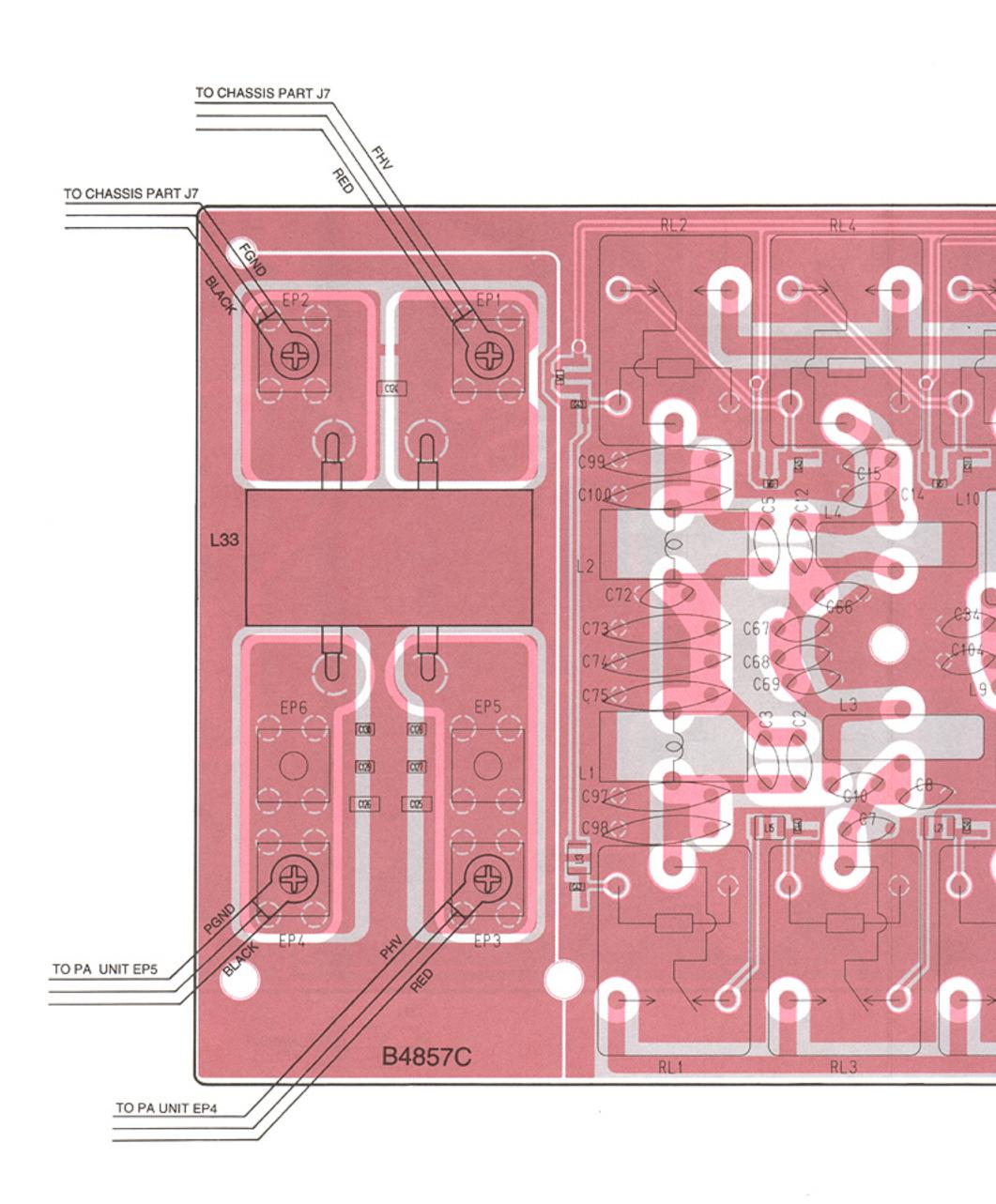
TO MAIN UNIT J752

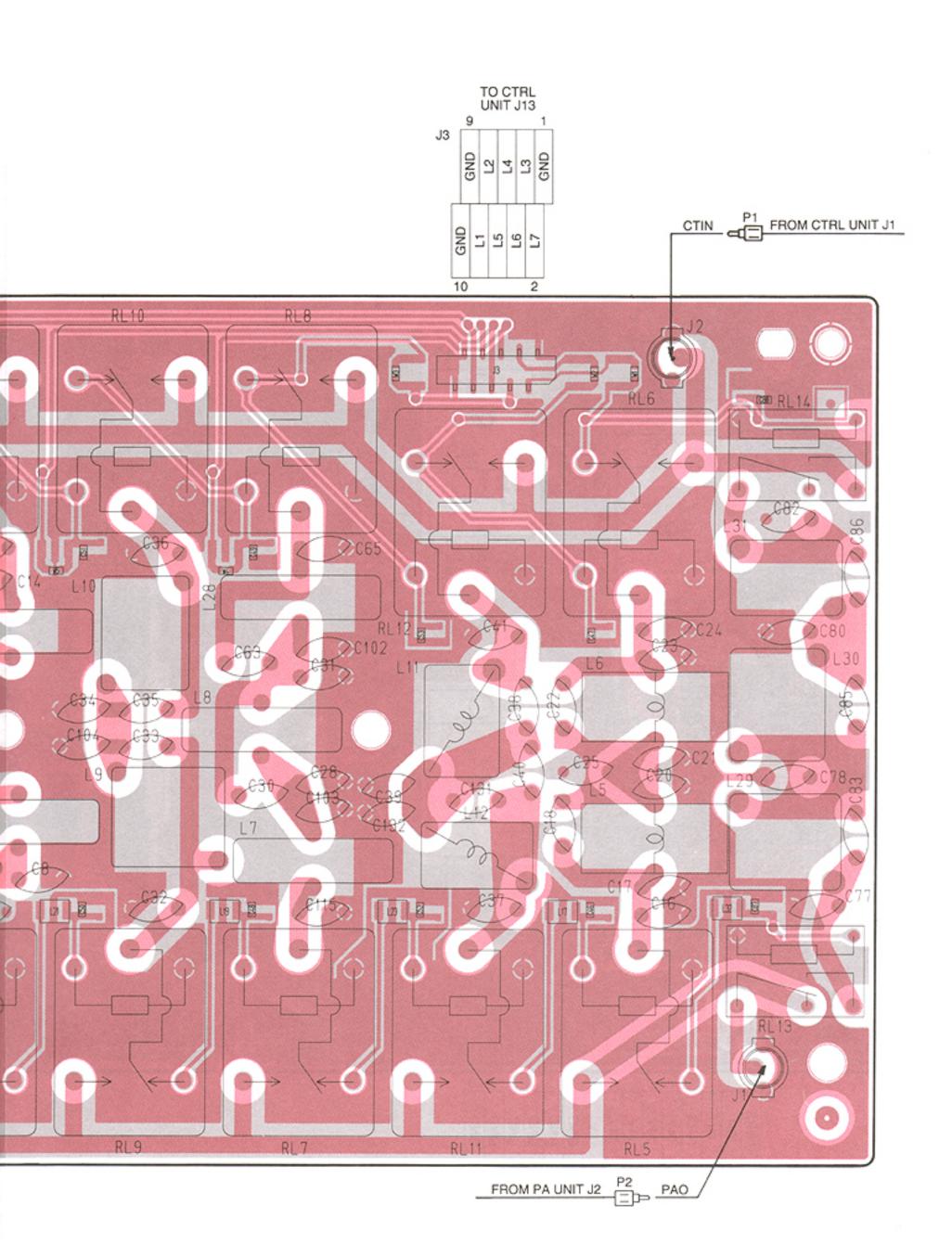
1



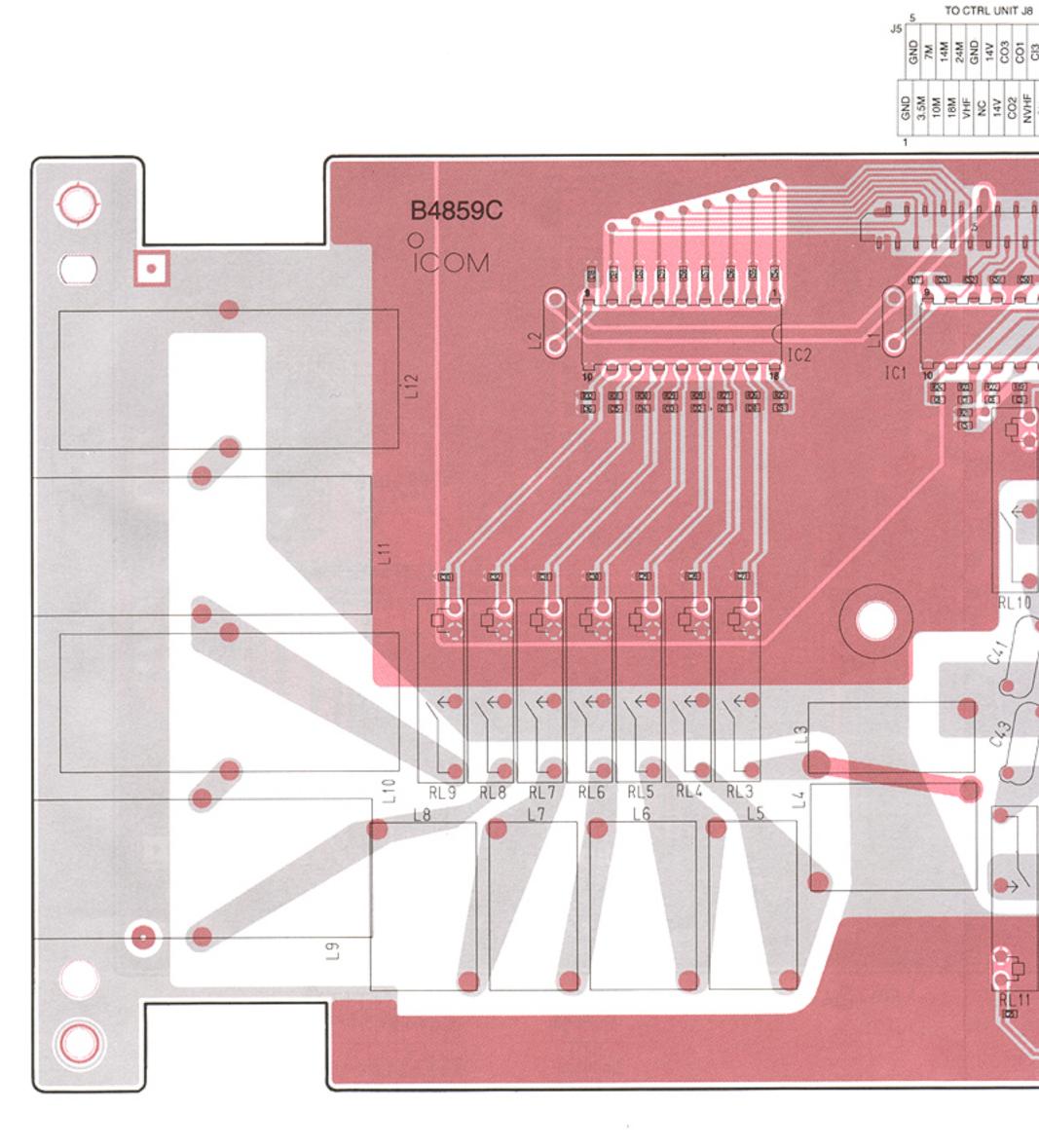
J11
2 MF- TO CHASSIS
1 MF+ MF1

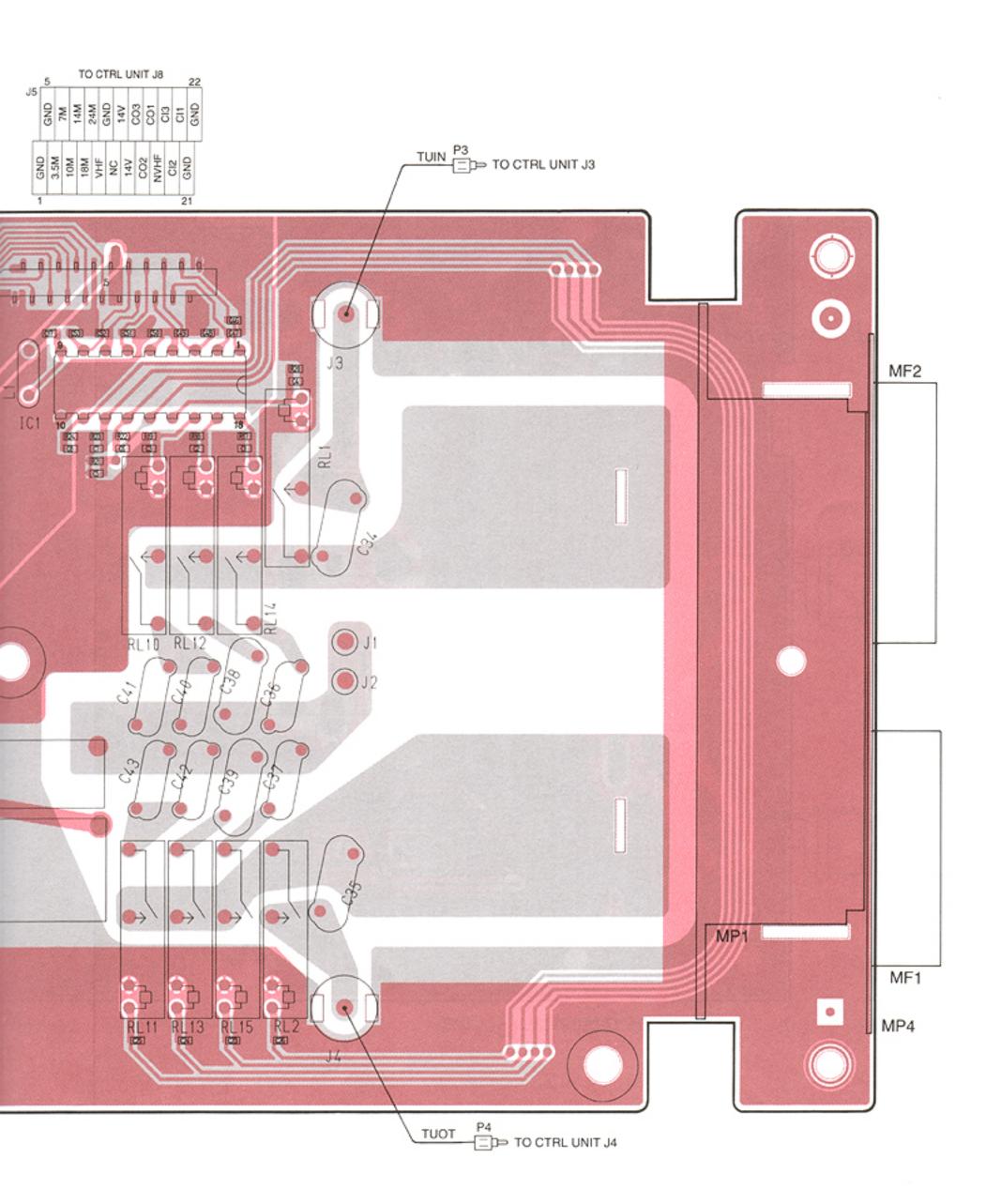
### 9-9 FILTER UNIT



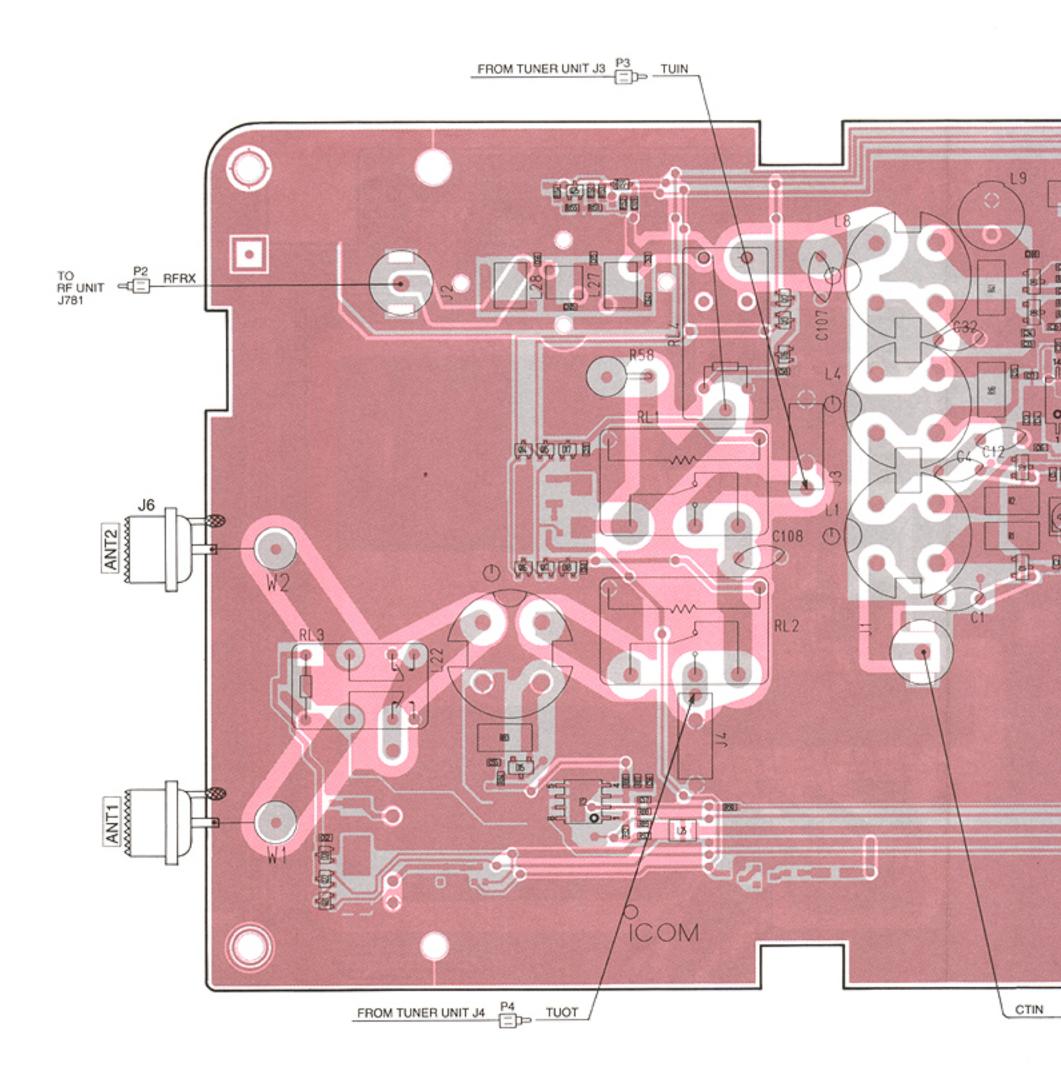


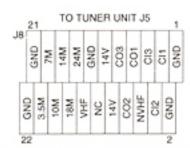
### 9-10 TUNER UNIT

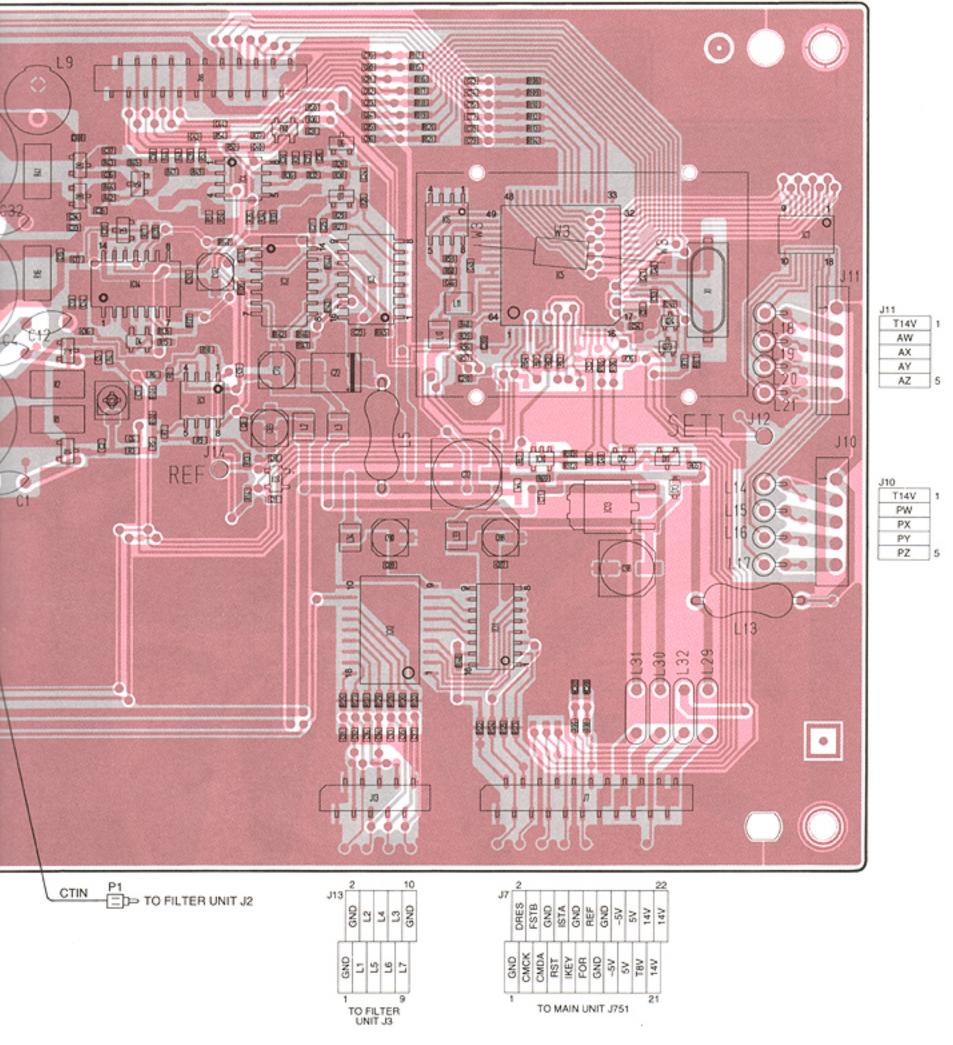




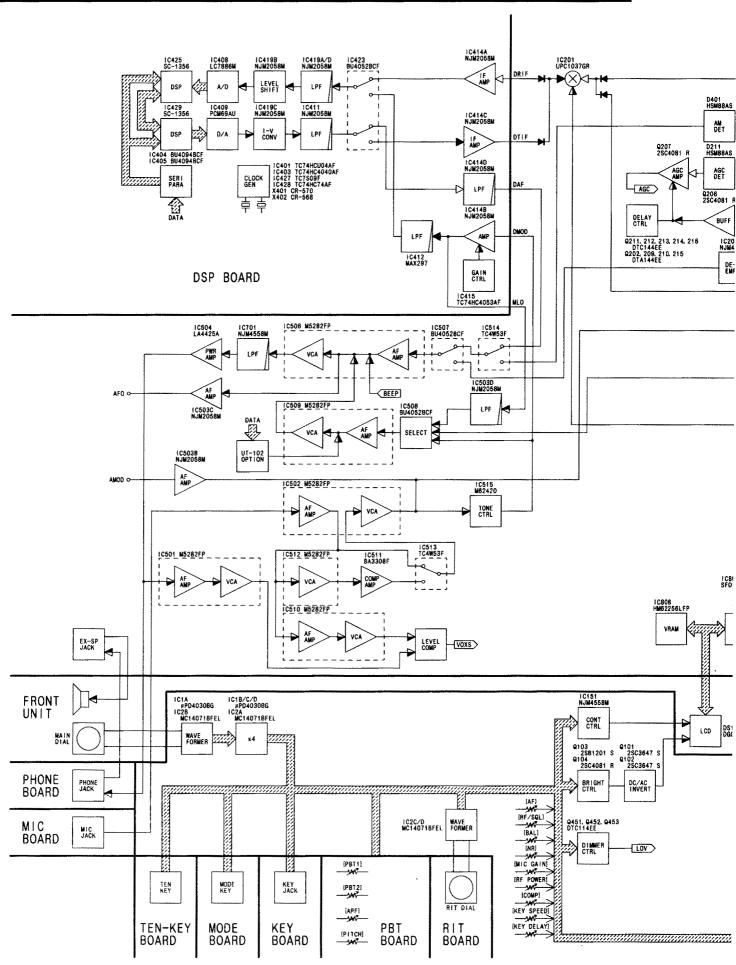
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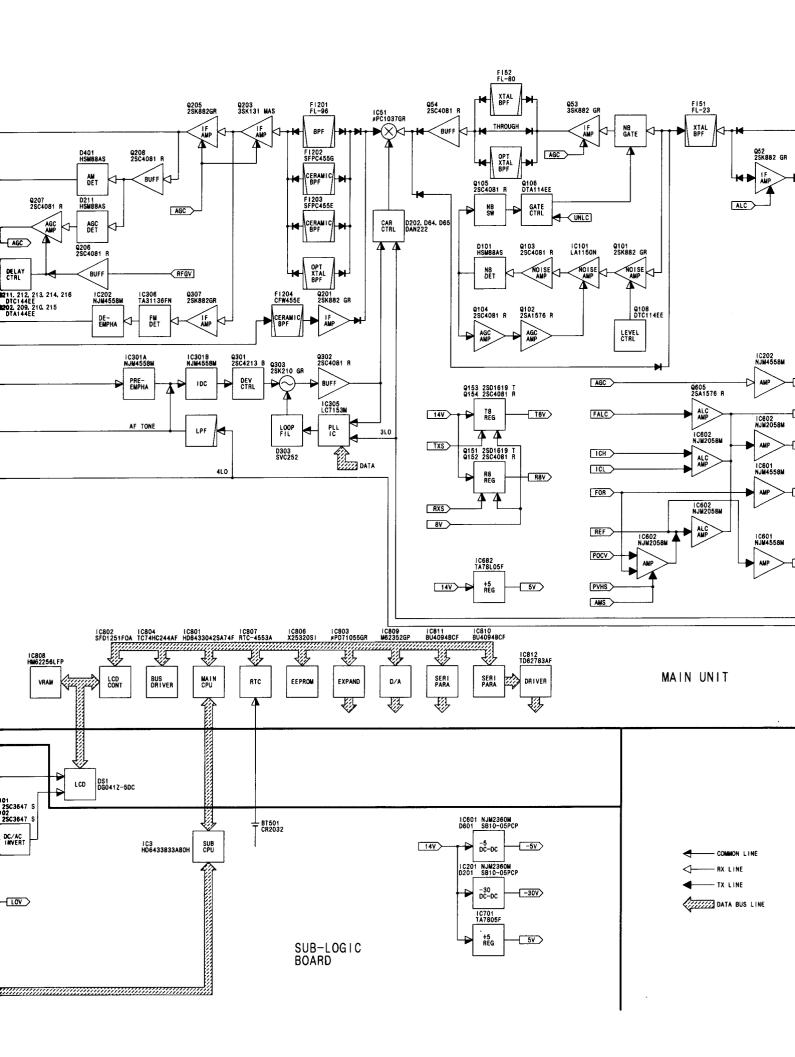


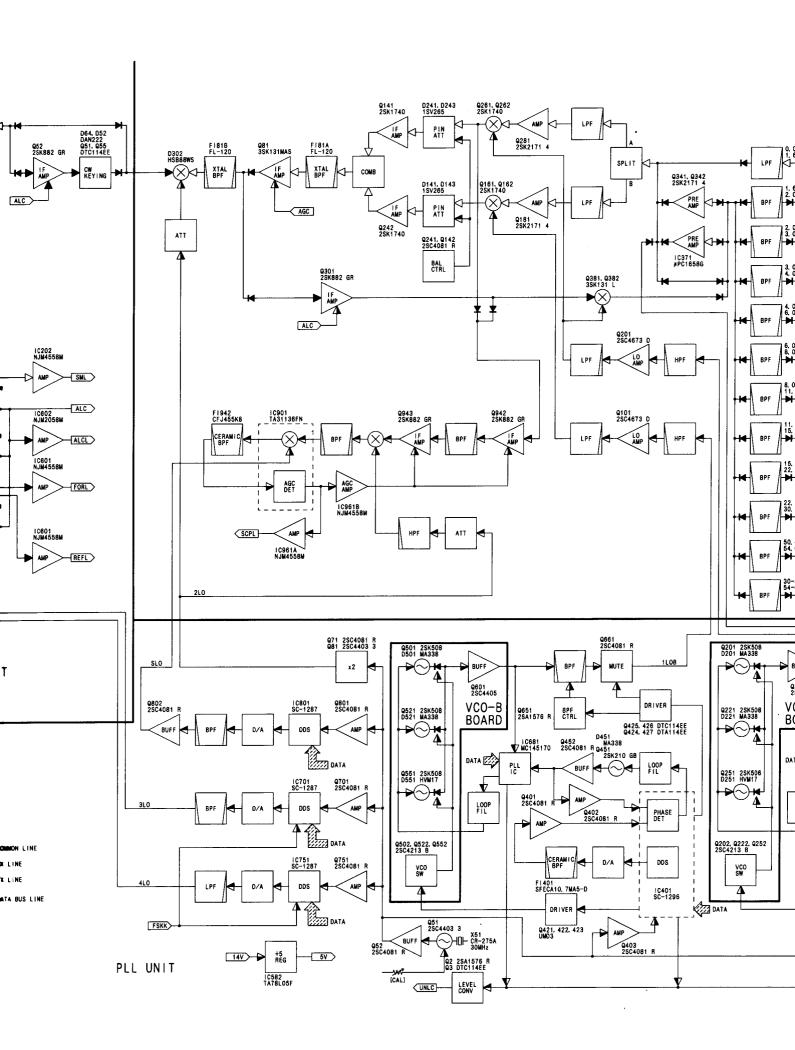


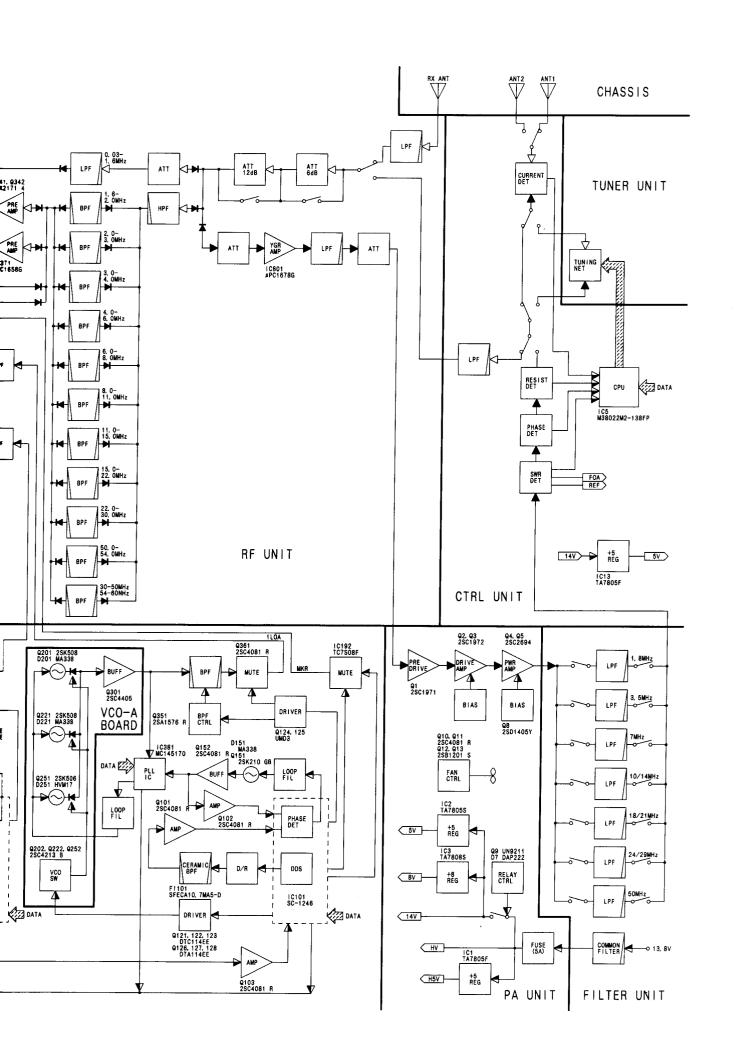


#### SECTION 10 BLOCK DIAGRAM

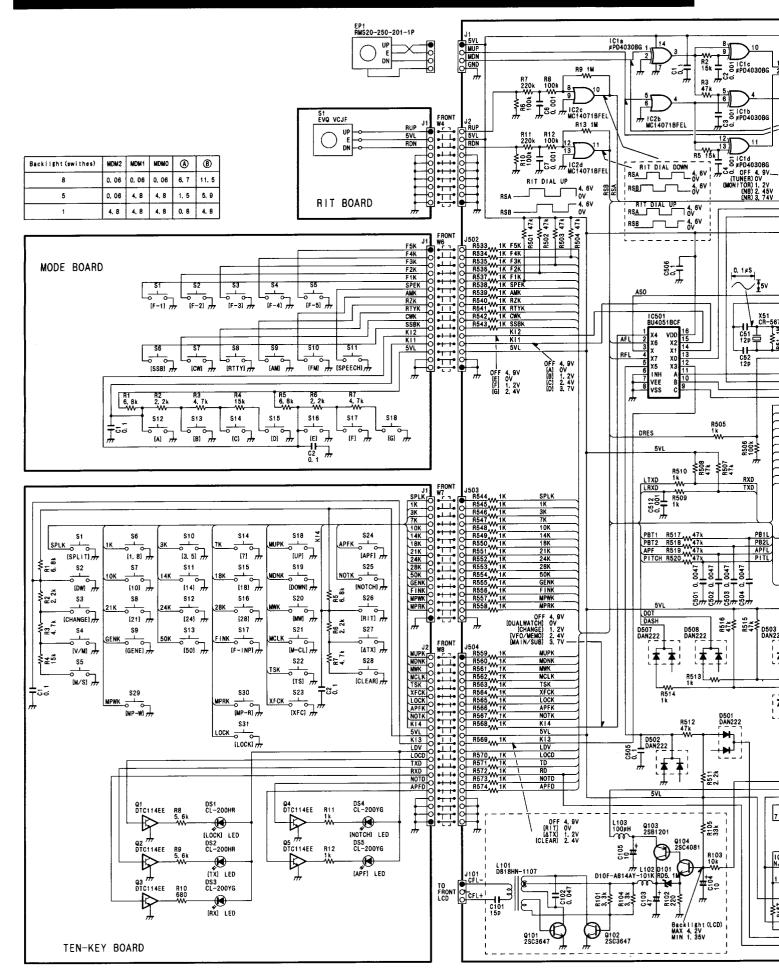


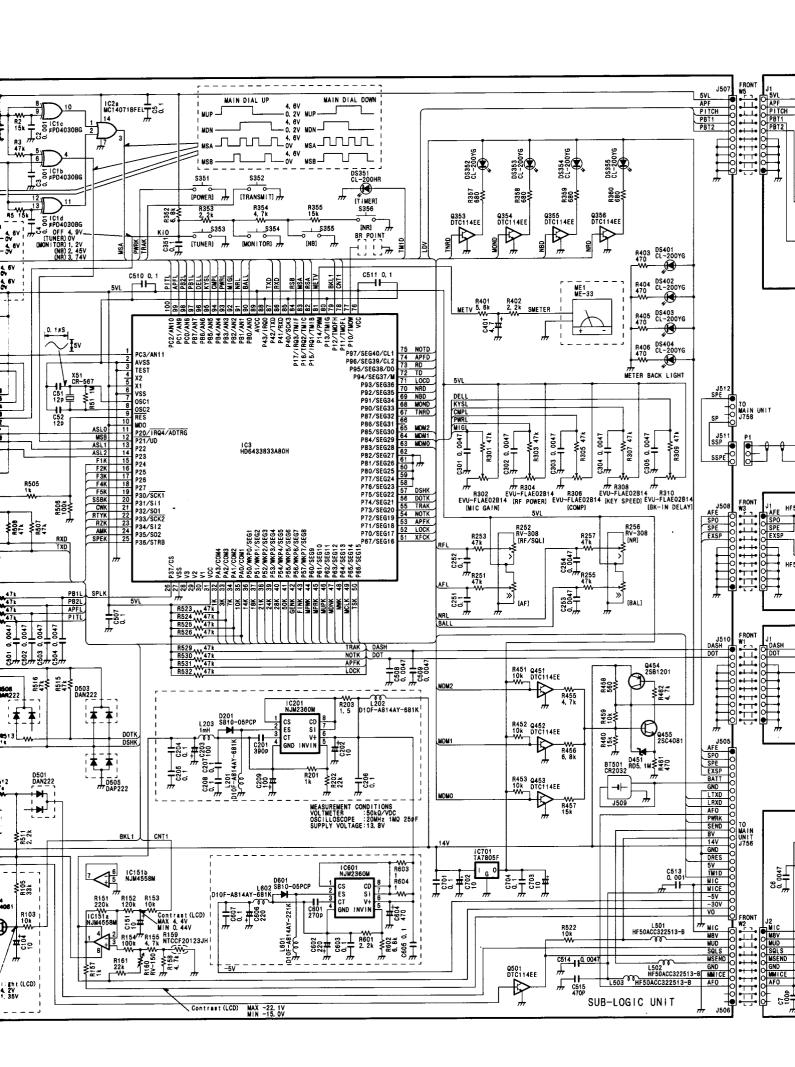


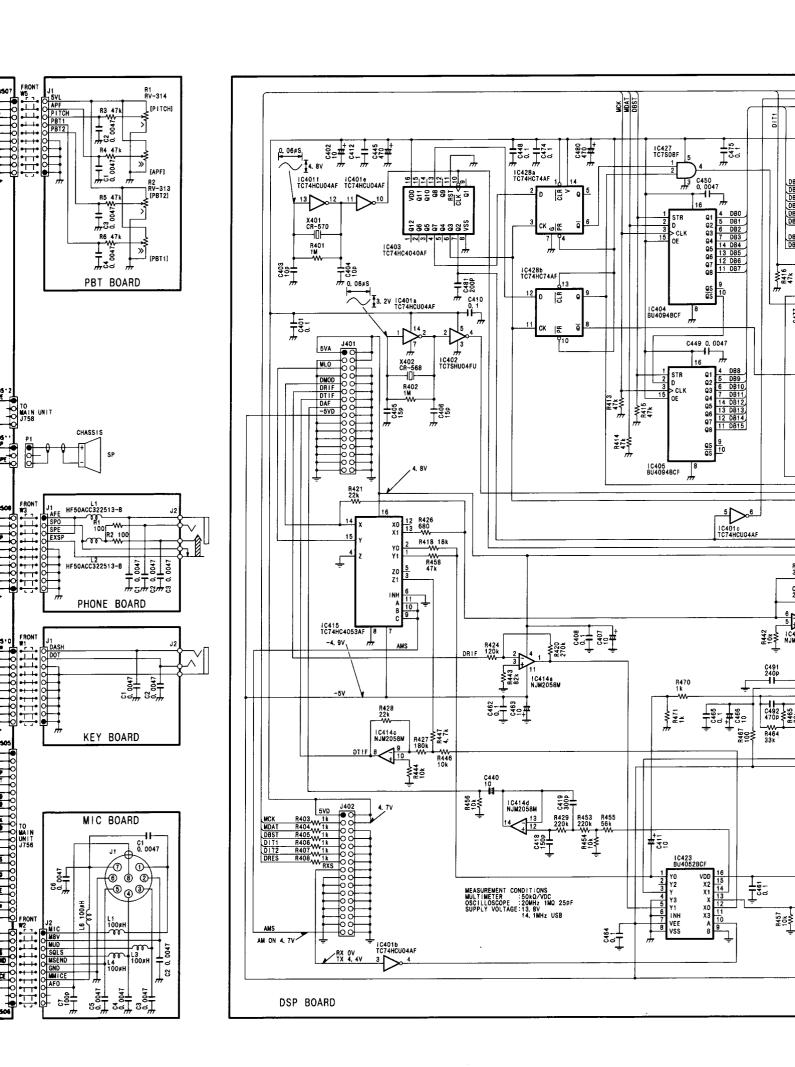


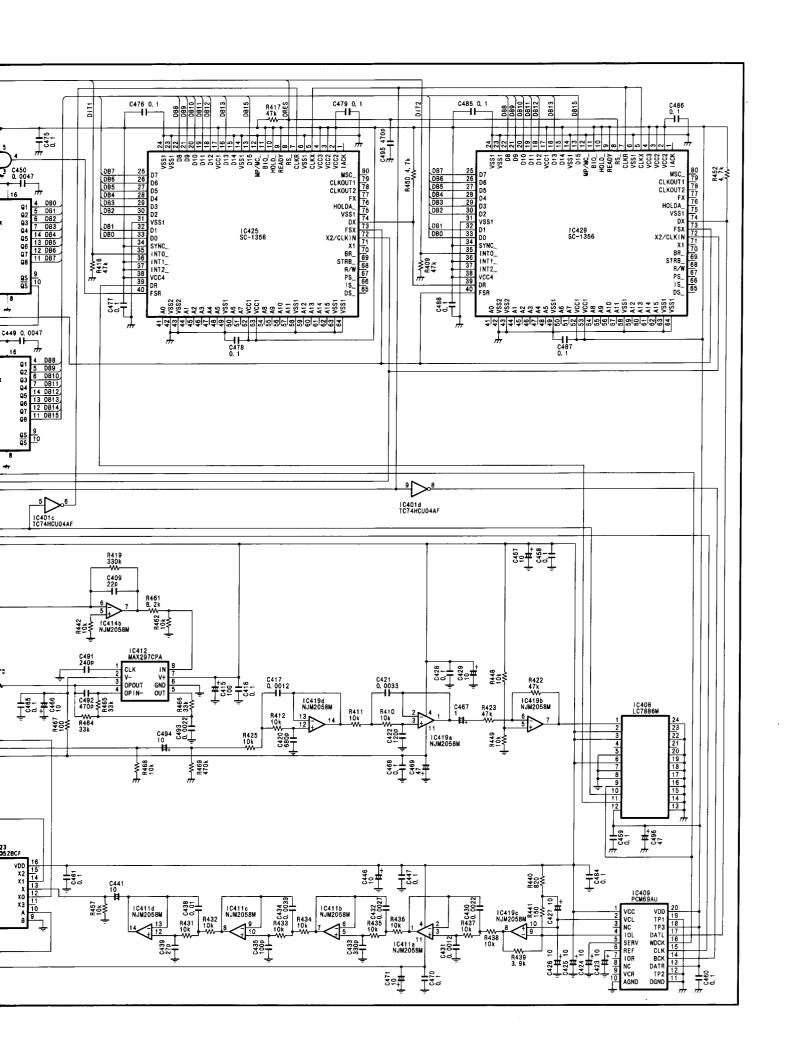


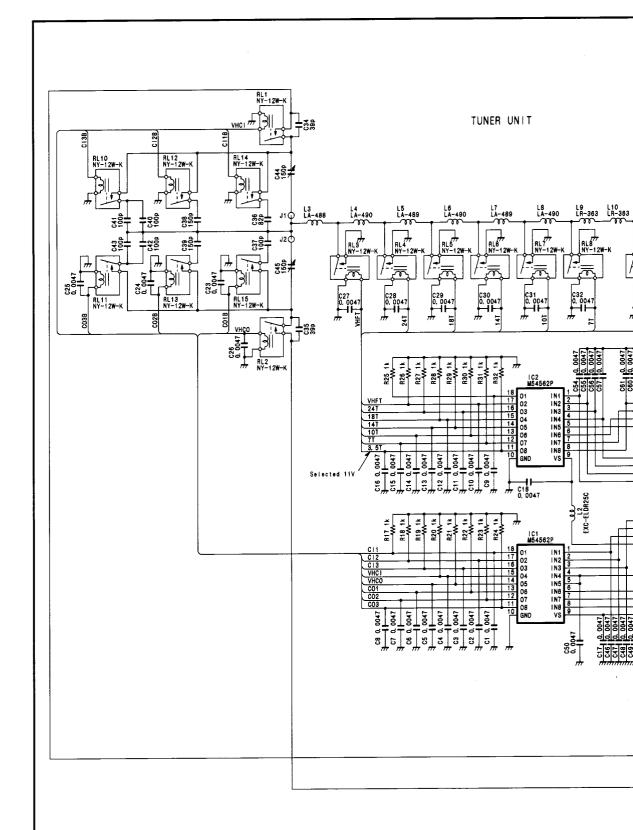
#### SECTION 11 VOLTAGE DIAGRAM

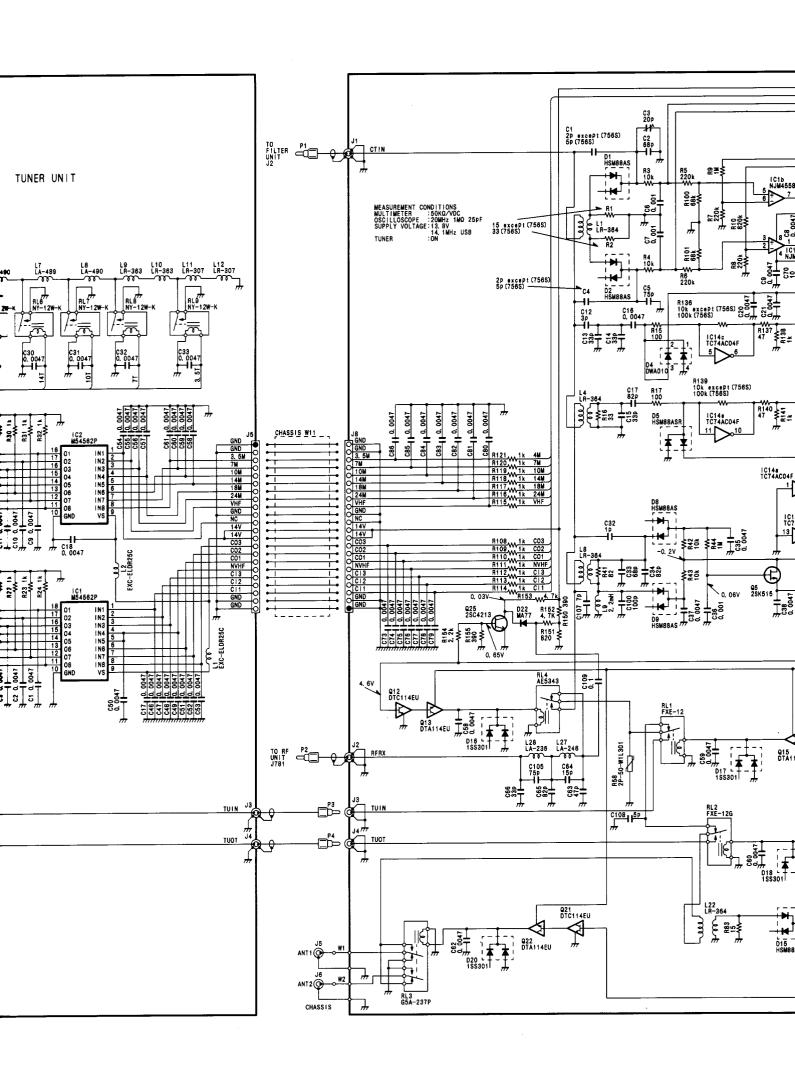


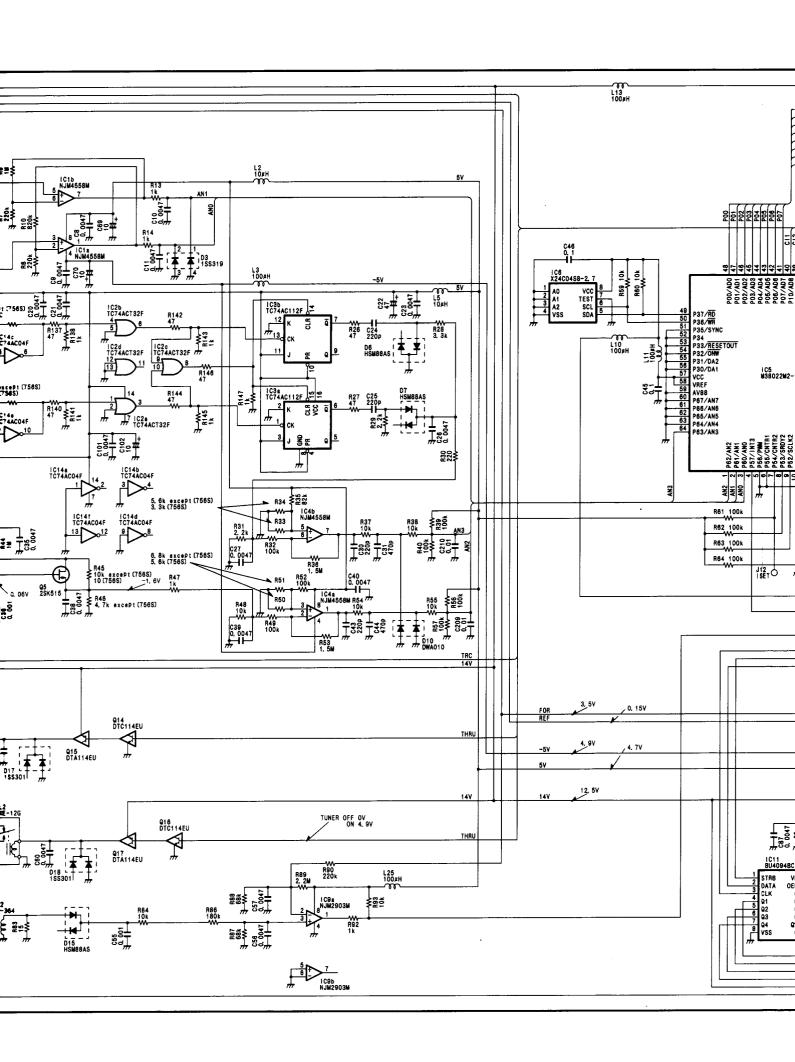


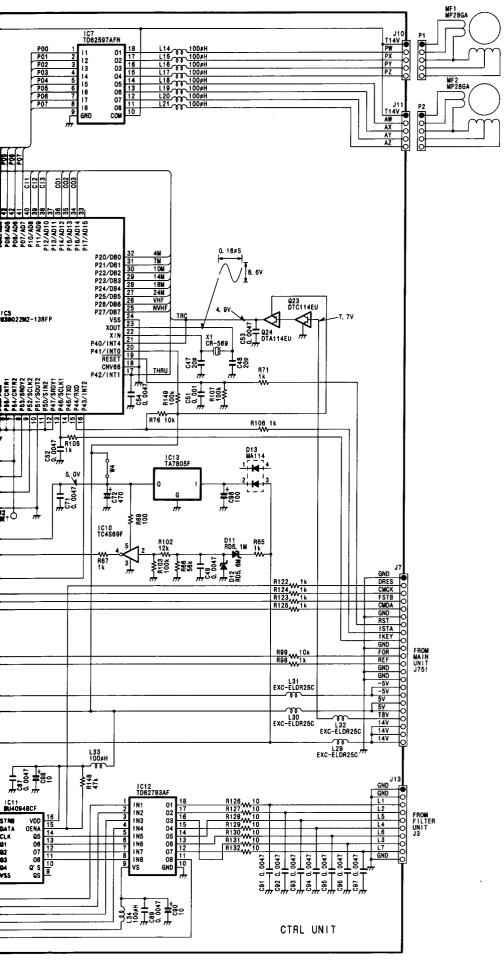


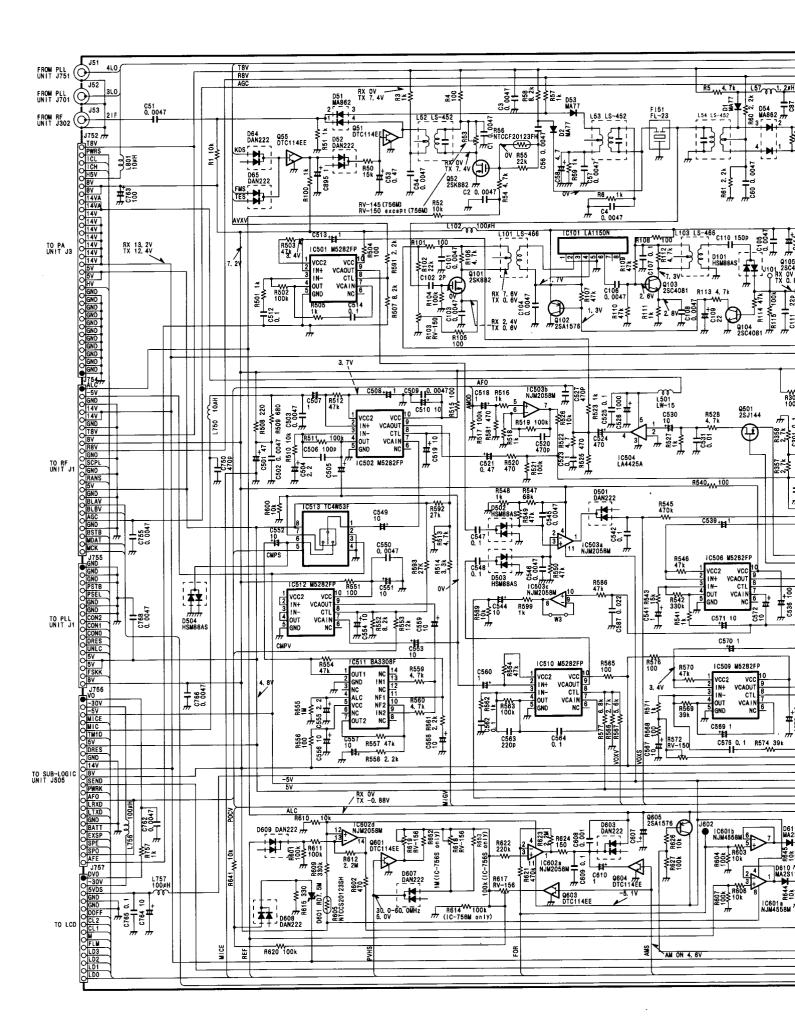


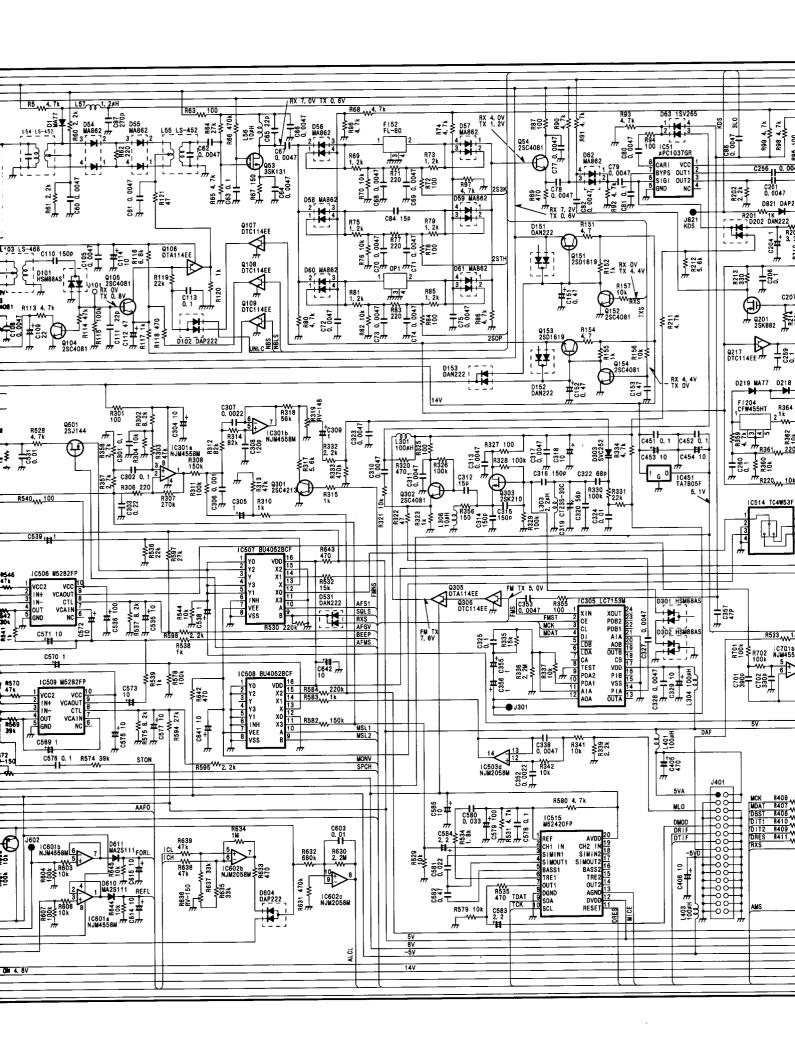


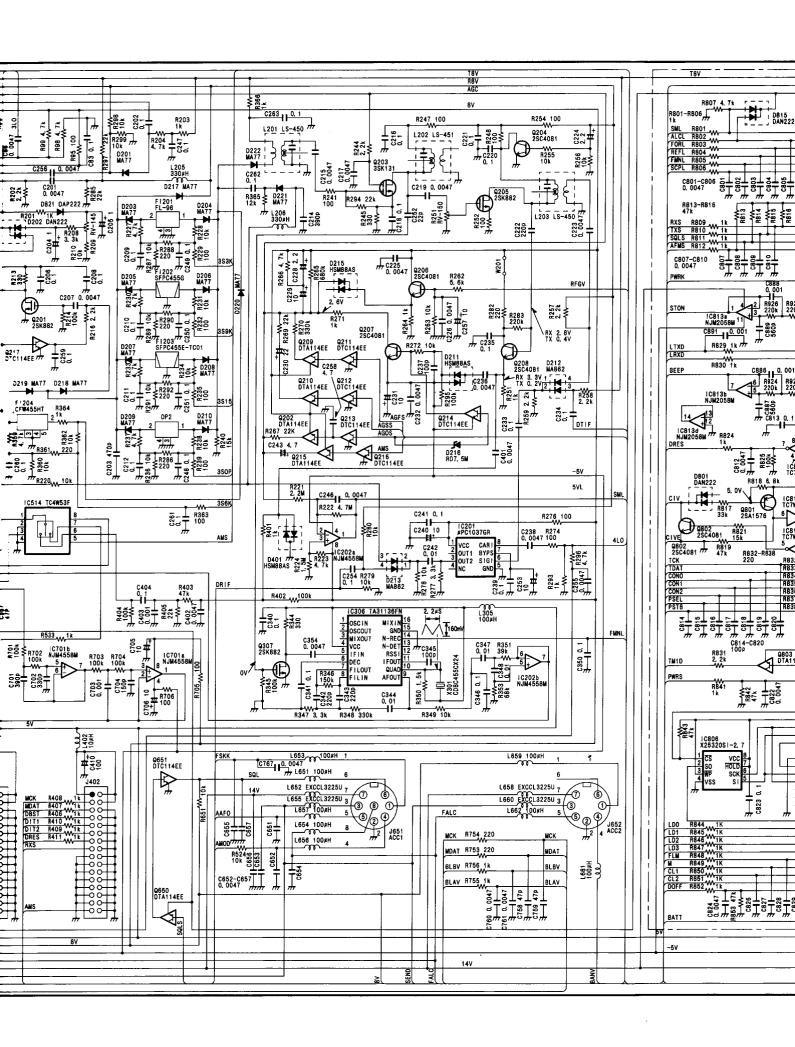


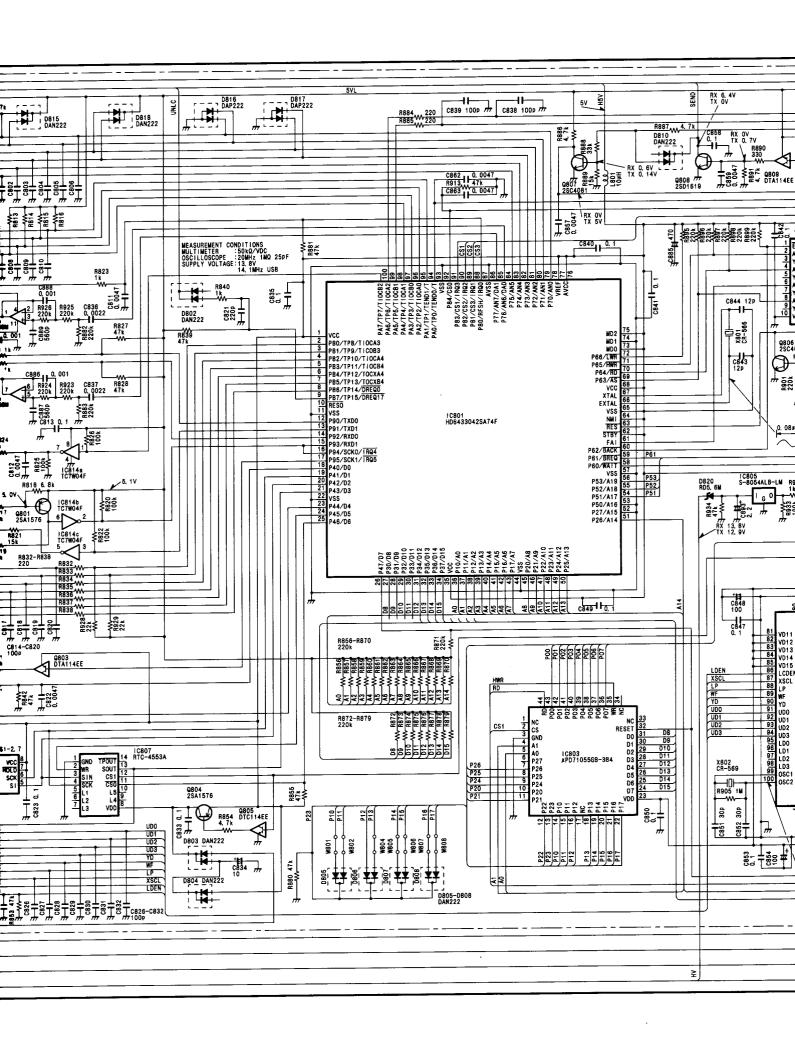


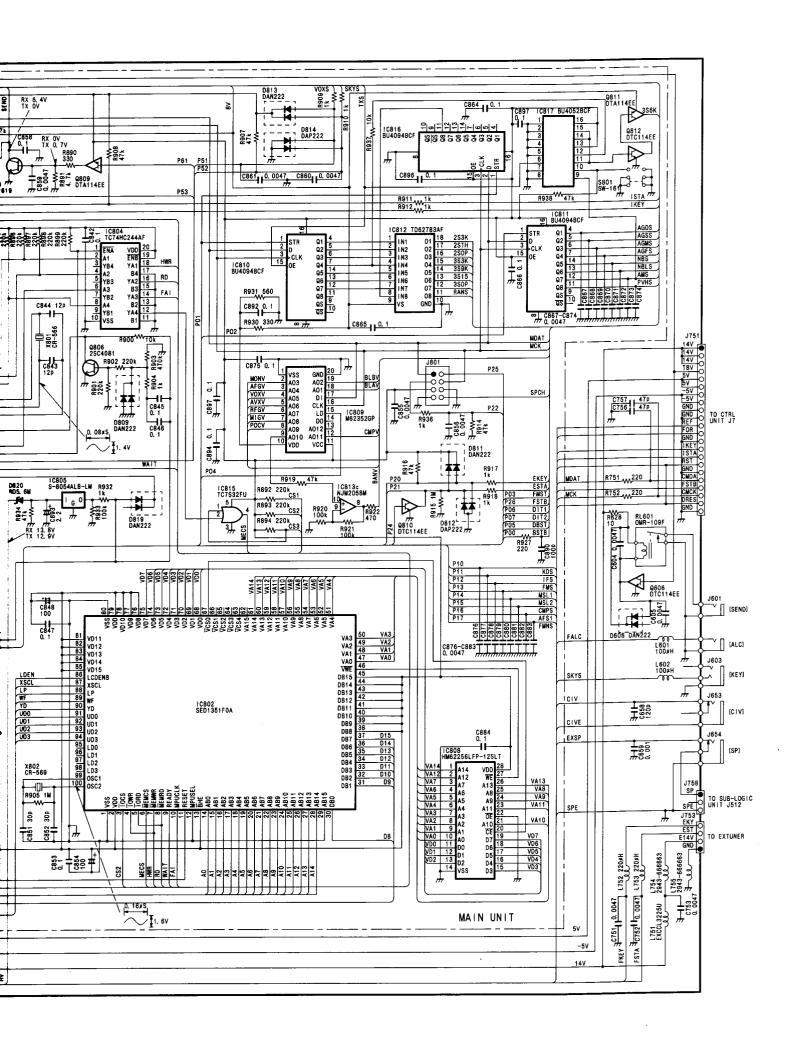


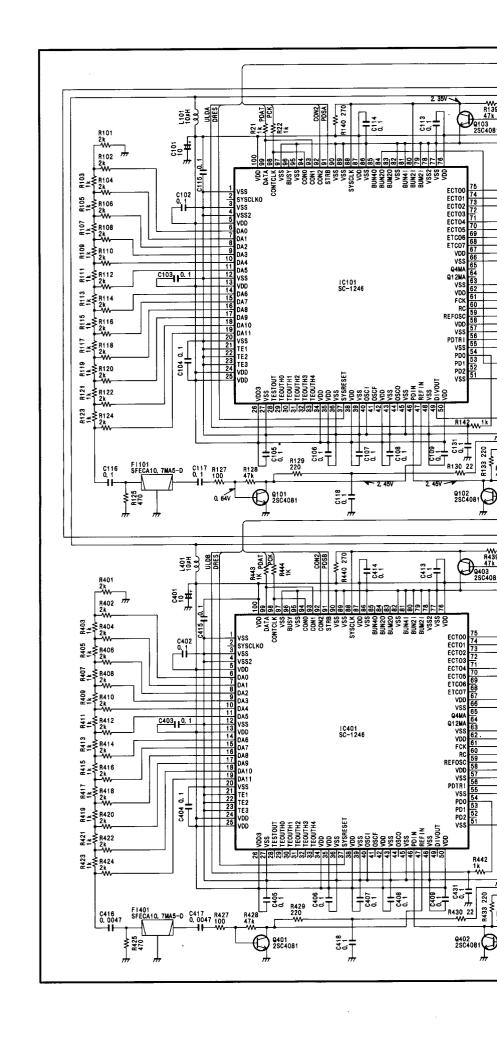


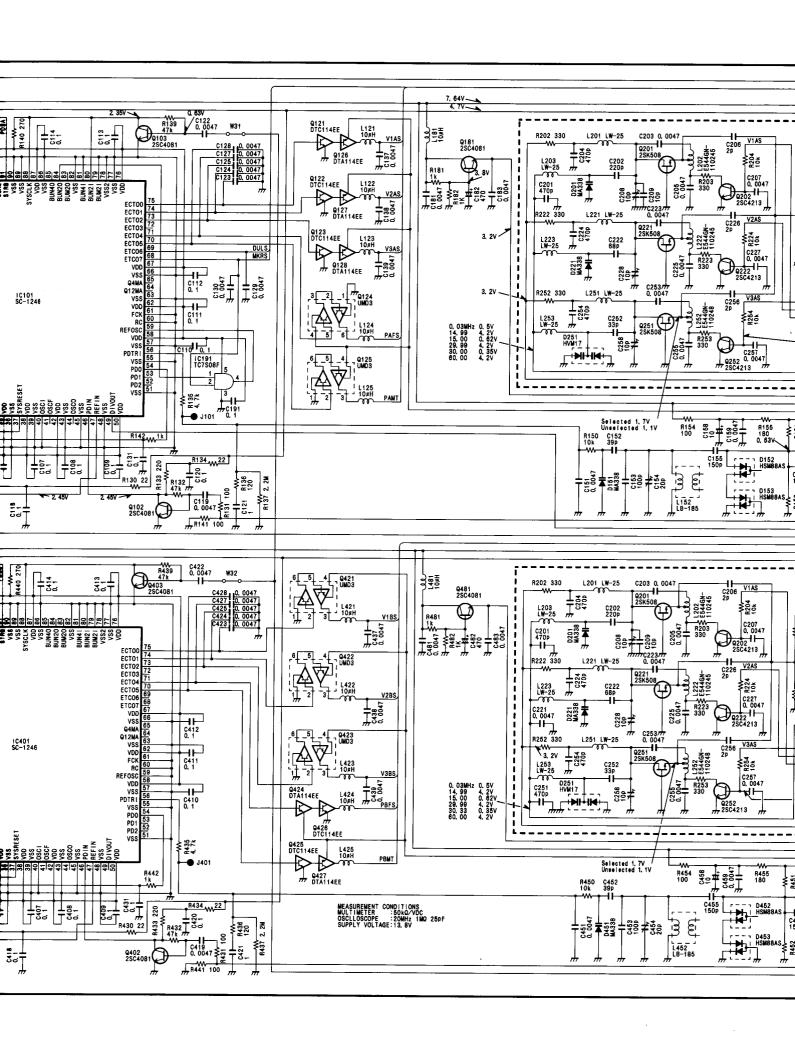


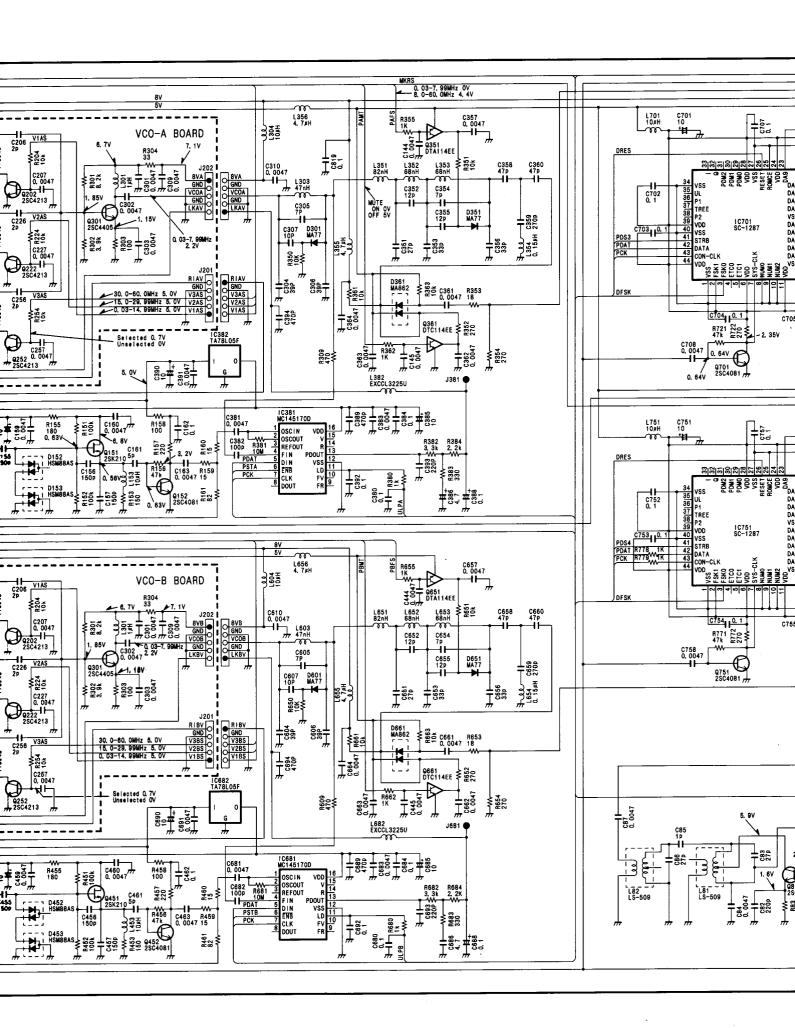


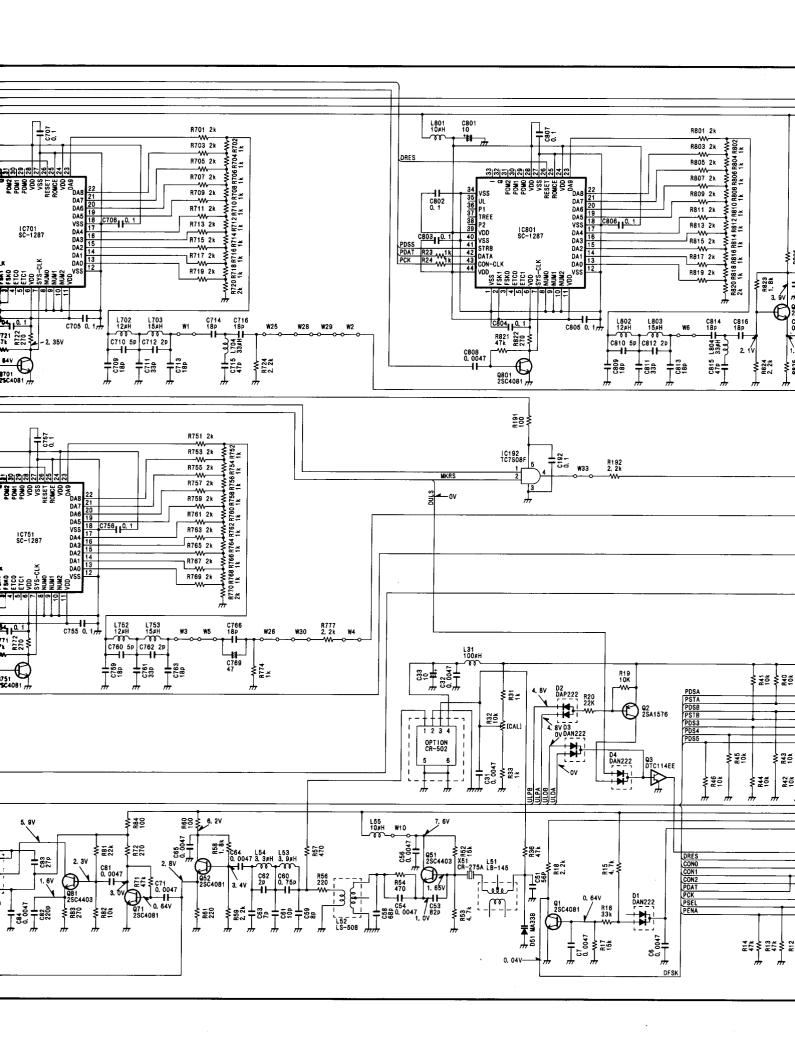


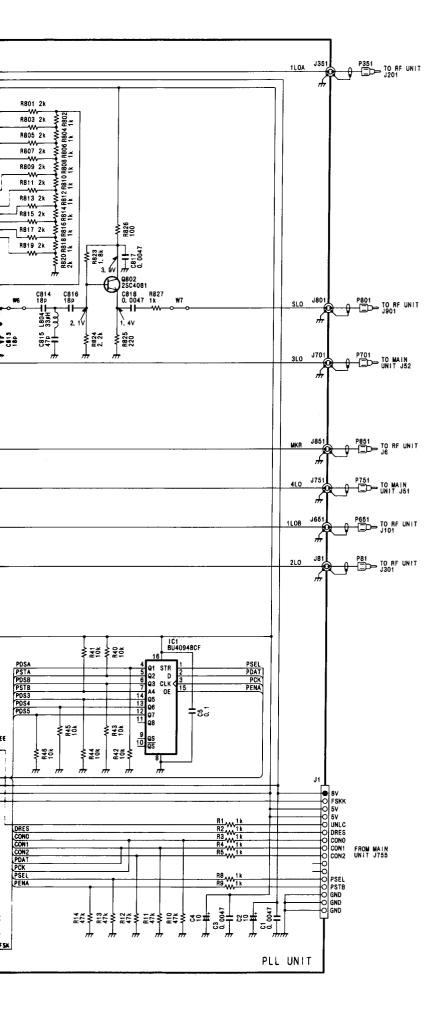


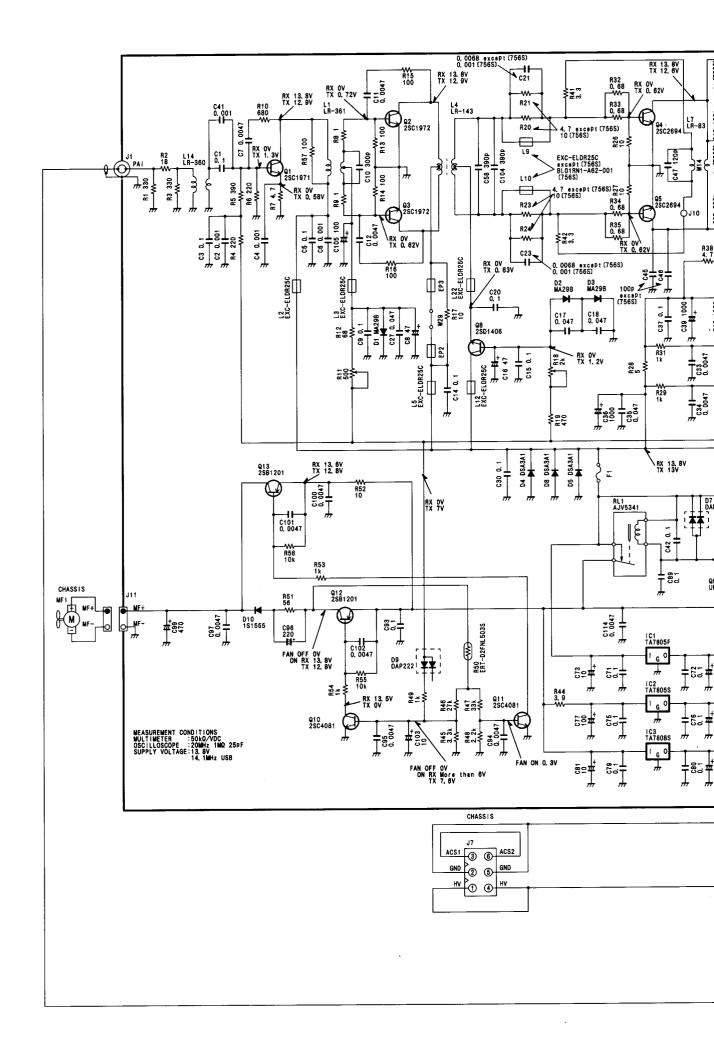


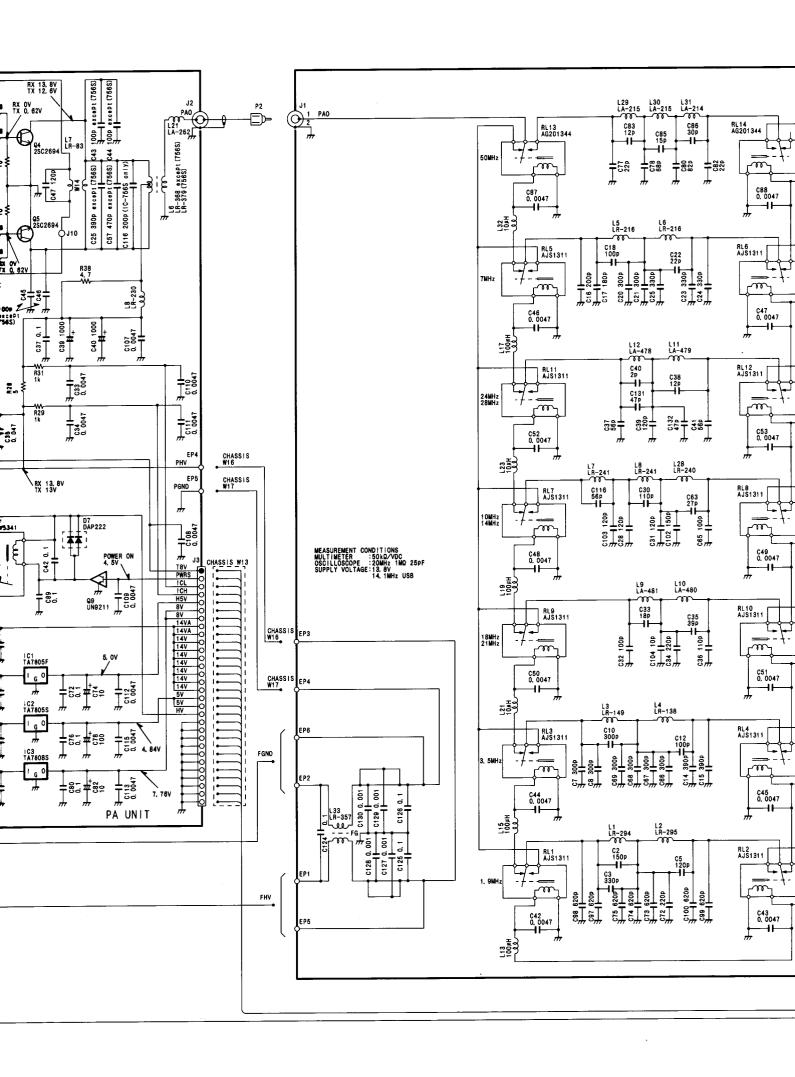


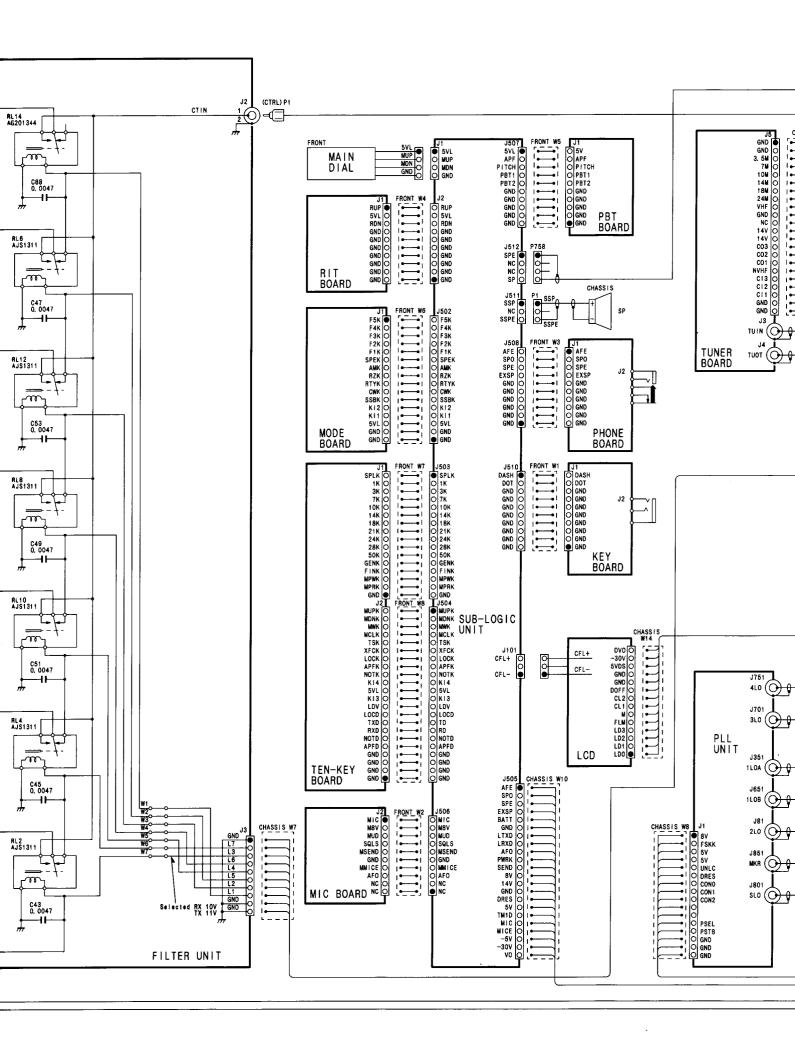


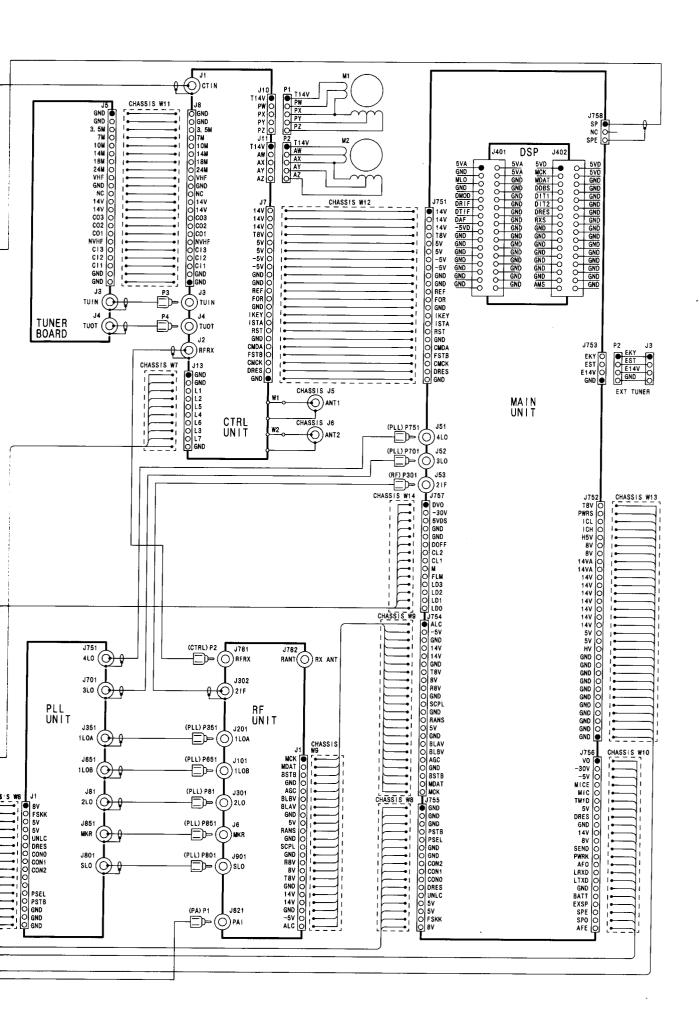


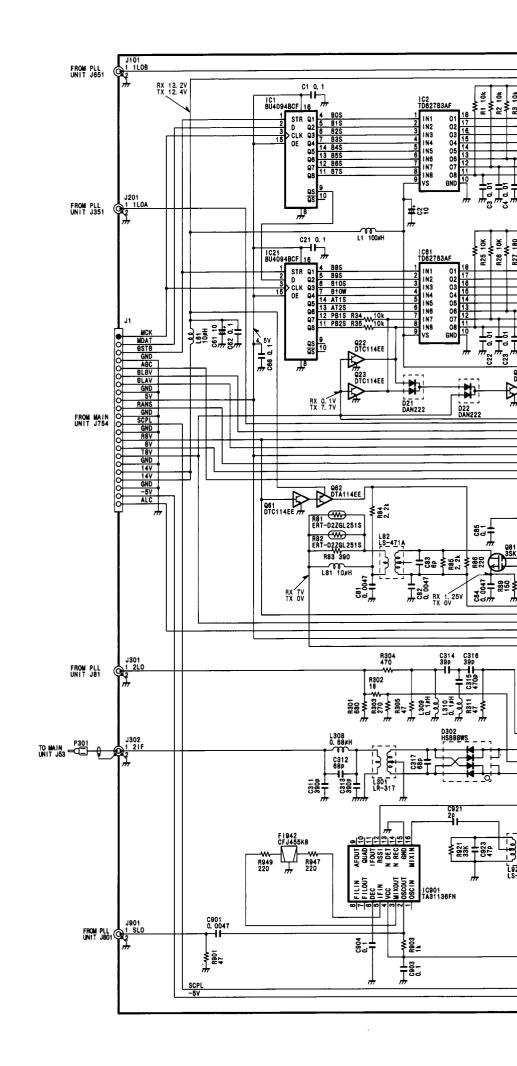


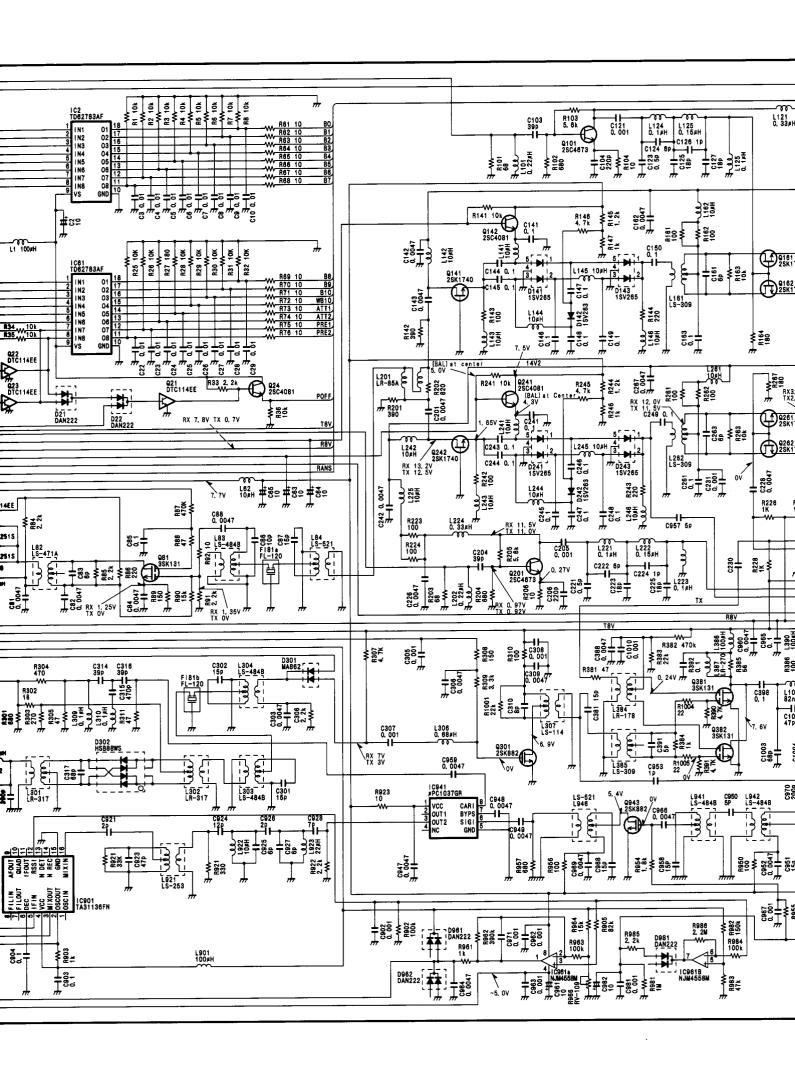


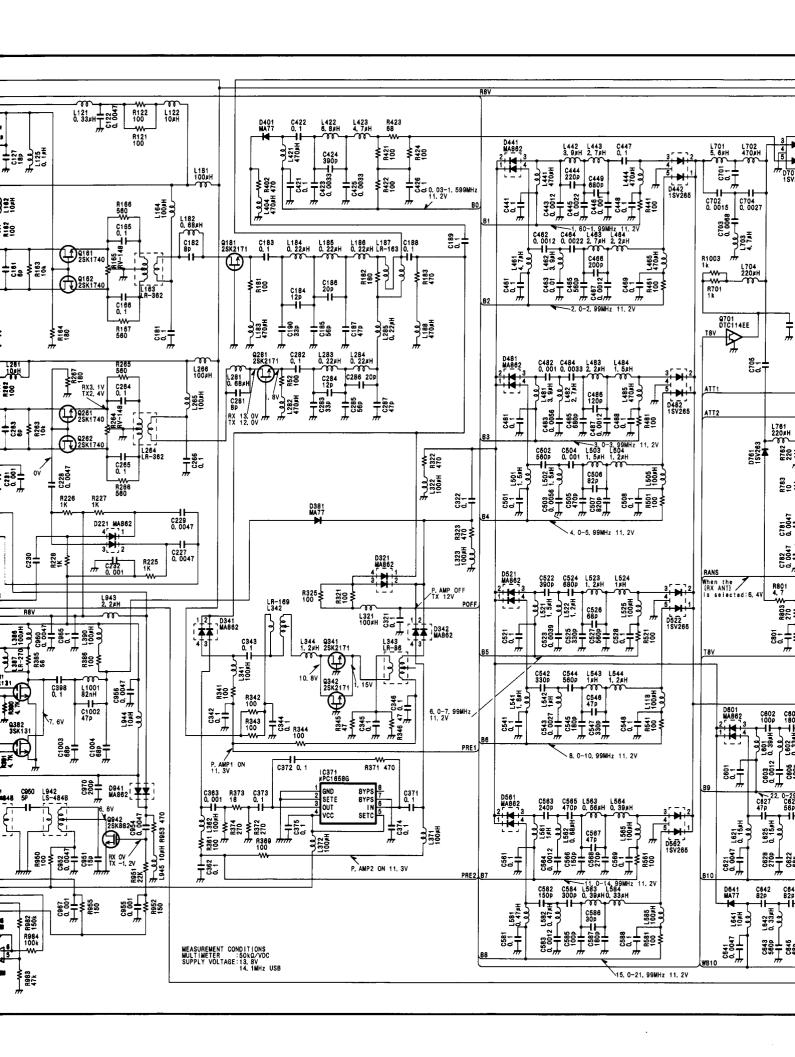


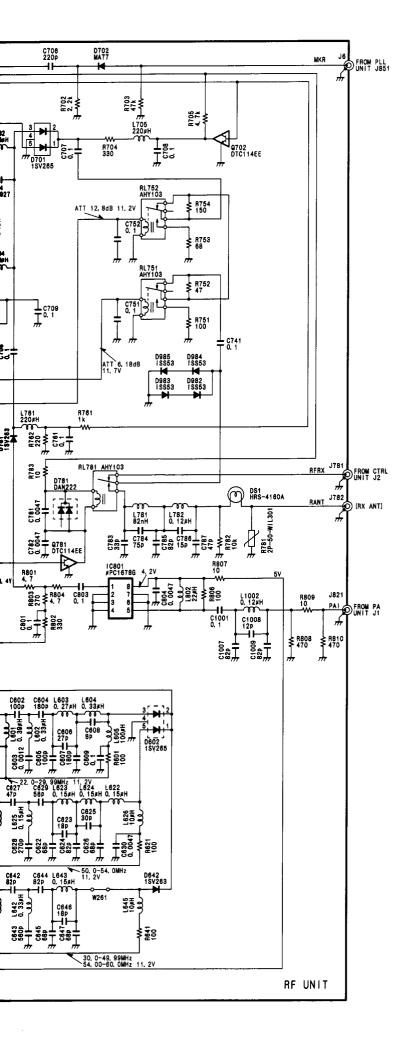












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