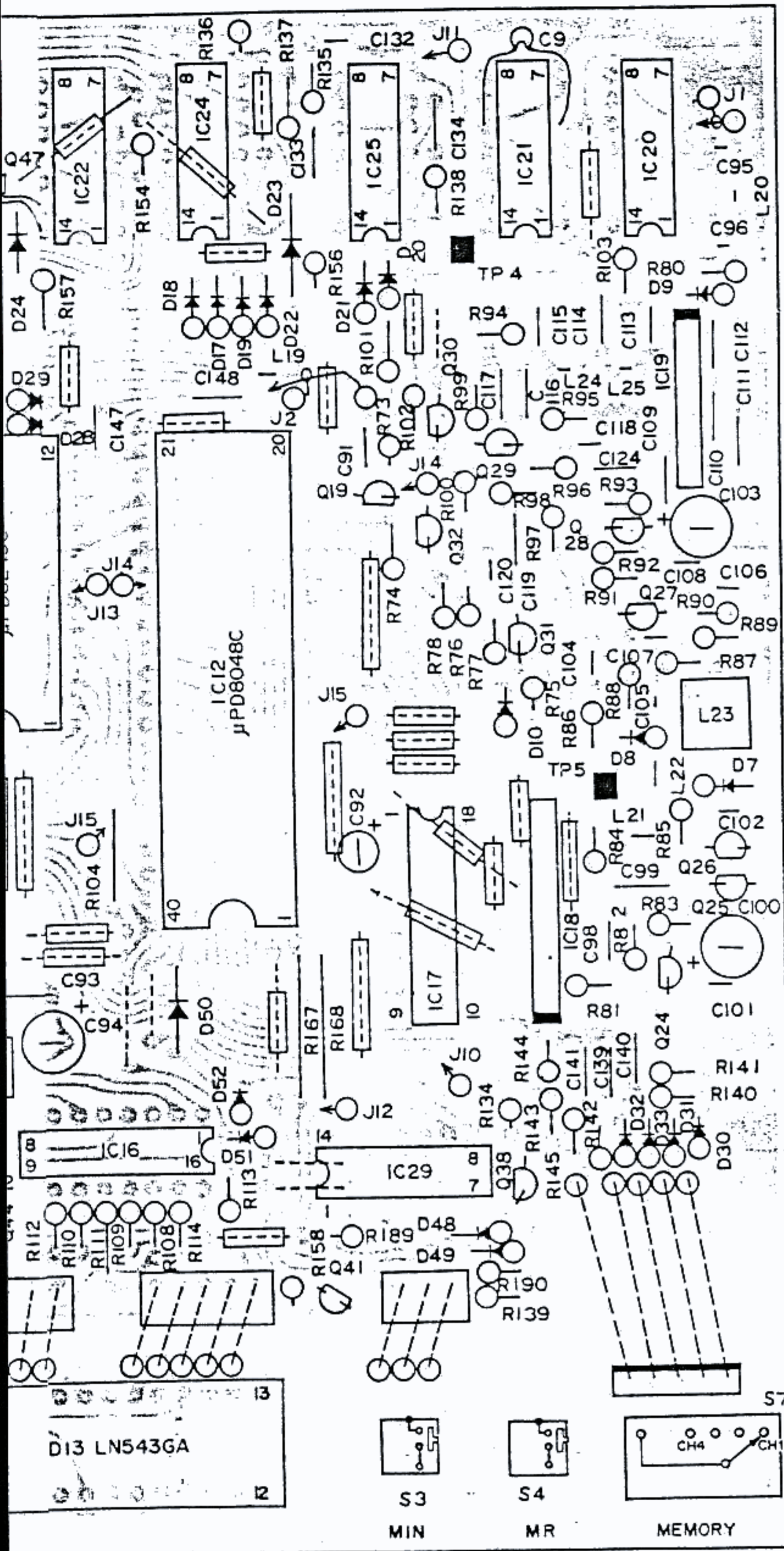


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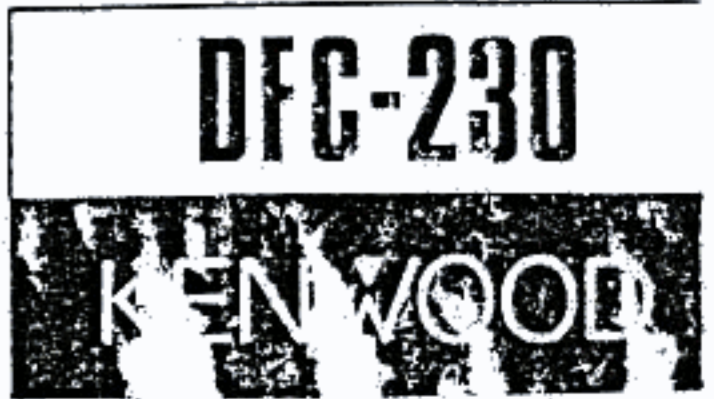
SPECIFICATIONS

Oscillation frequency.....	5.40 ~ 6.10 MHz
Output voltage.....	0.2V
Frequency stability....	1 × 10 ⁻⁵ at room temp. 3 × 10 ⁻⁵ at 0 ~ 50°C
Power requirement ...	DC 9V 30 mA (Supplied from transceiver) DC 13.8V 380 mA DC 13.8V 10 mA (Memory backup)
Semiconductor used	CPU..... 1 IC..... 31 Transistors..... 47 Diodes..... 64
Dimensions	147(148)W 51(51)H 166(175)D mm (Figures in () include projections.)
Weight	Approx. 1.3 kg

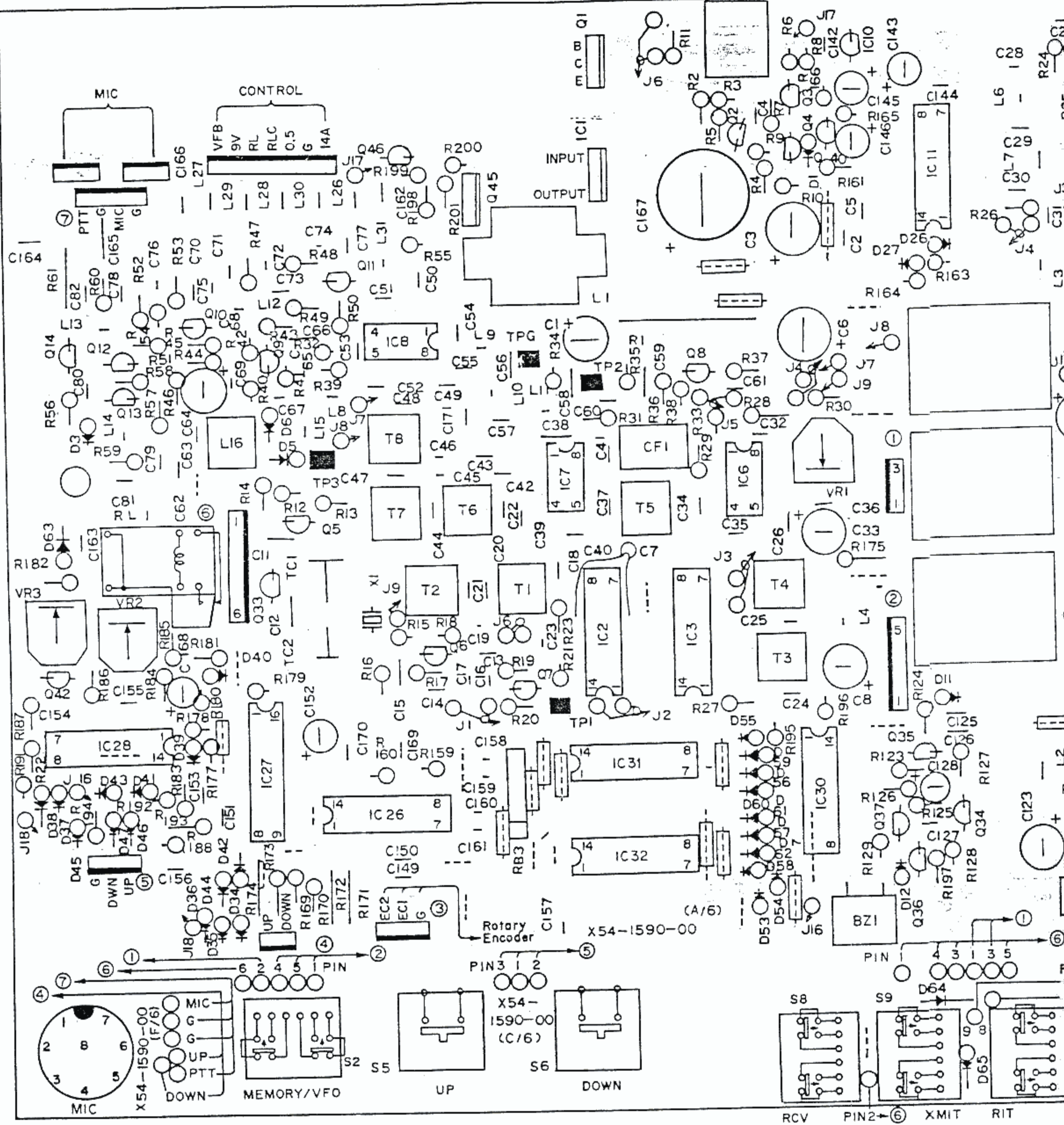


SCHEMATHEEK
Beh. T. Hultermans
Postbus 4228
5604 EE Eindhoven

Q38 ~ 44, 46: 2SC1815(Y) Q13, 14: 2SC1959(Y) Q15 ~ 17, 24 ~ 26: 2SC1775(E)
Q8: SN16913P IC9, 18: TC5081P IC10: NJM78L05A IC11, 22, 24, 25, 28 ~ 32: TC4011BP
4569B IC16: SN74LS247N IC17: TC9122P IC19: µPC1037H IC23, 27: TC4049BP
D3: IS1587 D5 ~ 8: ISV54GC D9: WZ-061 D13: LN543GA D14 ~ 16: LN433YP



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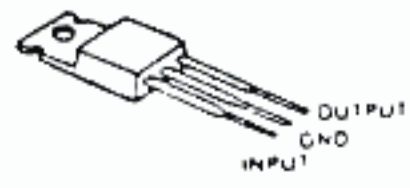
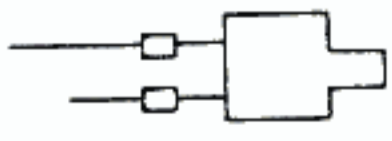
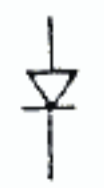
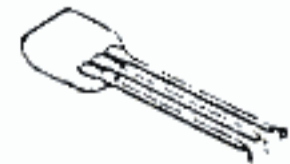
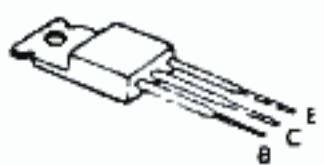
2SA473

2SA1015 2SC1775
2SC1815 2SC1959

μPC1037H

LN433

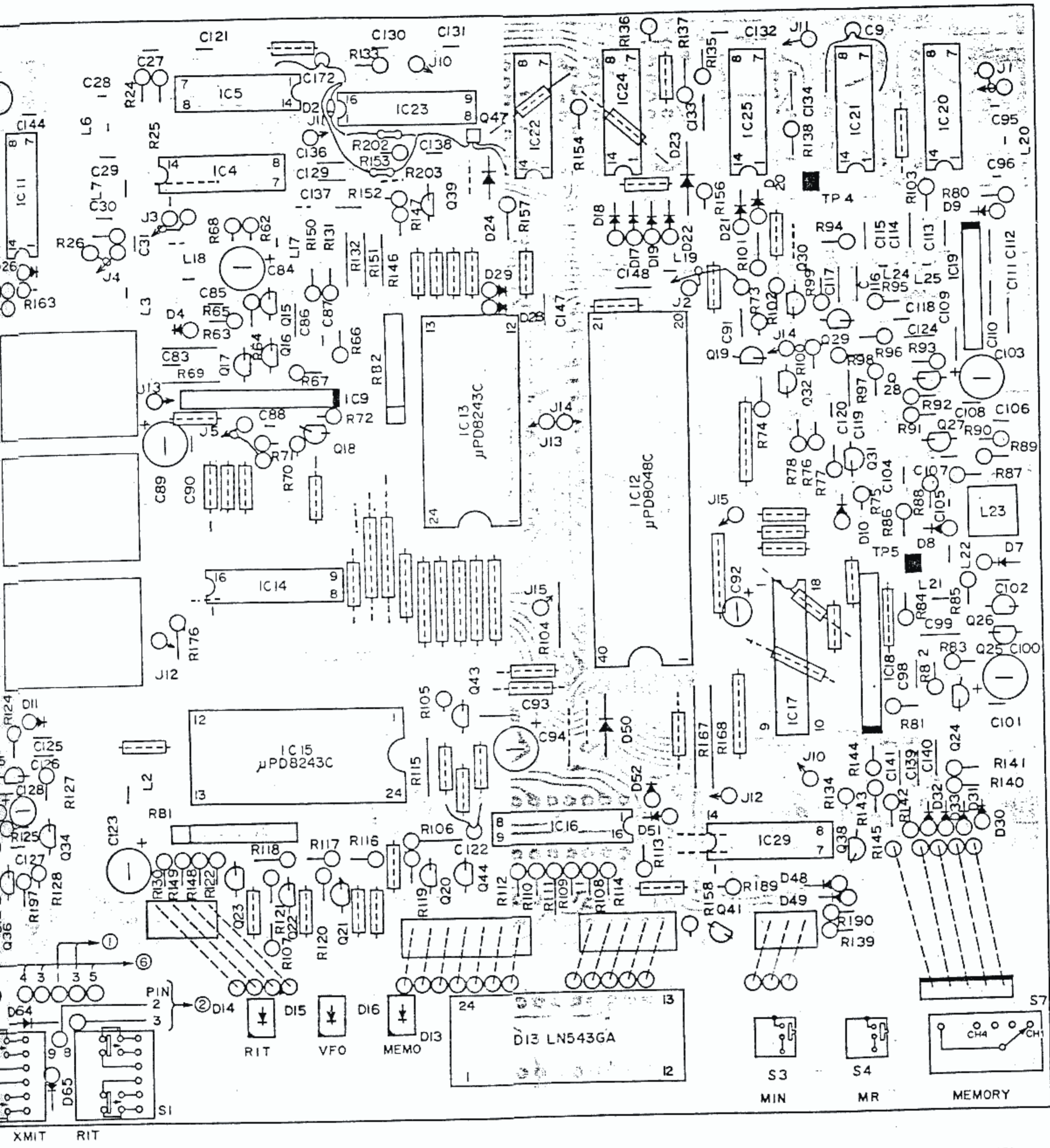
μPC14305H



Q1
IC1
IC2
IC3
D1

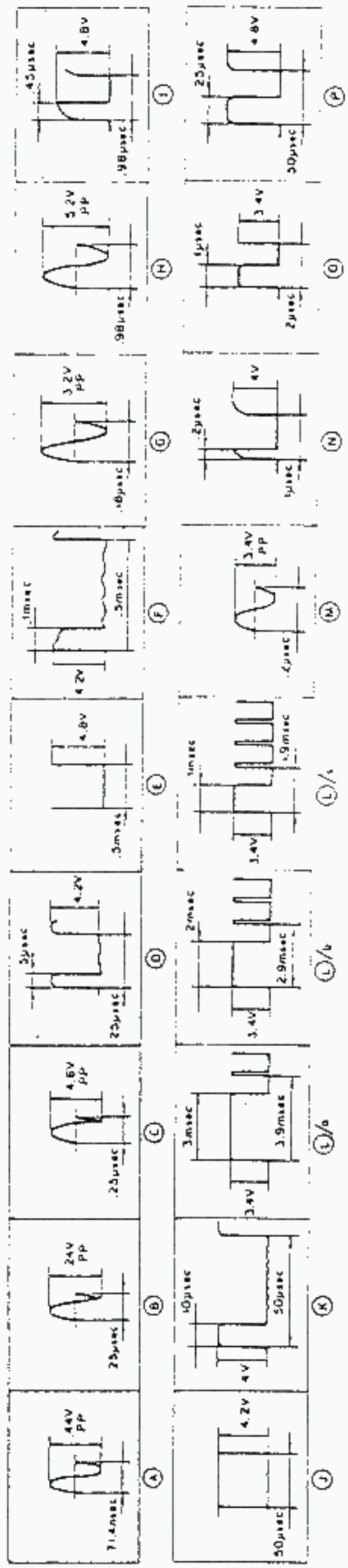
BOARD VIEW (COMPONENT SIDE)

A



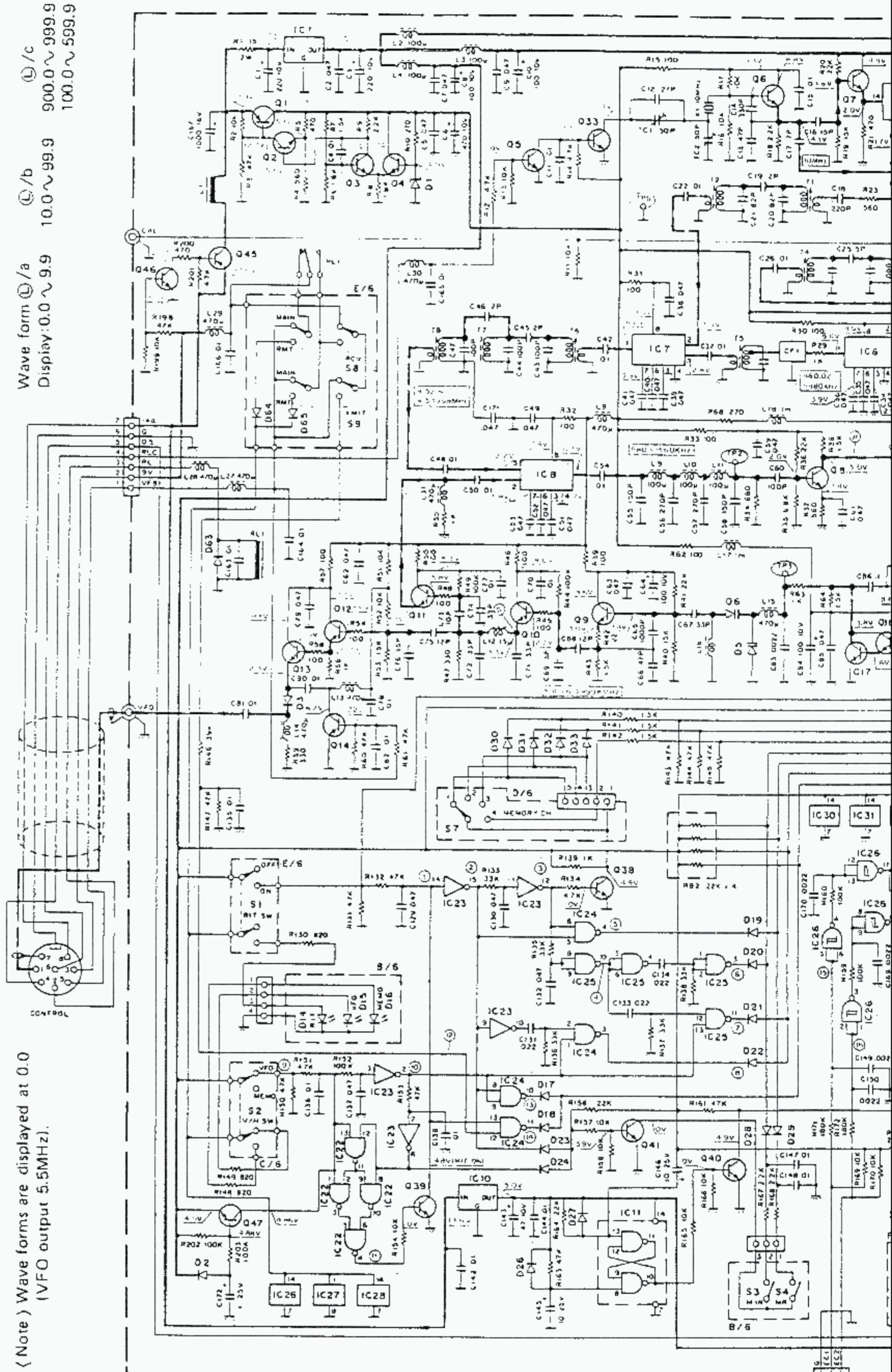
- Q1,45: 2SA473(Y) Q2 ~ 12,18,19,27 ~ 31,33,34,36,38 ~ 44,46: 2SC1815(Y) Q13,14: 2SC1959(Y) Q15 ~ 17,24 ~ 26: 2SC1775(E)
 Q20 ~ 23,32,35,37,47: 2SA1015(Y)
 IC1: μPC14305H IC2 ~ 5,20,21: SN74LS90N IC6 ~ 8: SN16913P IC9,18: TC5081P IC10: NJM78L05A IC11,22,24,25,28 ~ 32: TC4011BP
 IC12: μPD8048C-155 IC13,15: μPD8243C IC14: MC14569B IC16: SN74LS247N IC17: TC9122P IC19: μPC1037H IC23,27: TC4049BP
 IC26: TC4093BP
 D1,4: XZ-049 D2,10 ~ 12,17 ~ 24,26 ~ 65: IS1555 D3: IS1587 D5 ~ 8: ISV54GC D9: WZ-061 D13: LN543GA D14 ~ 16: LN433YP

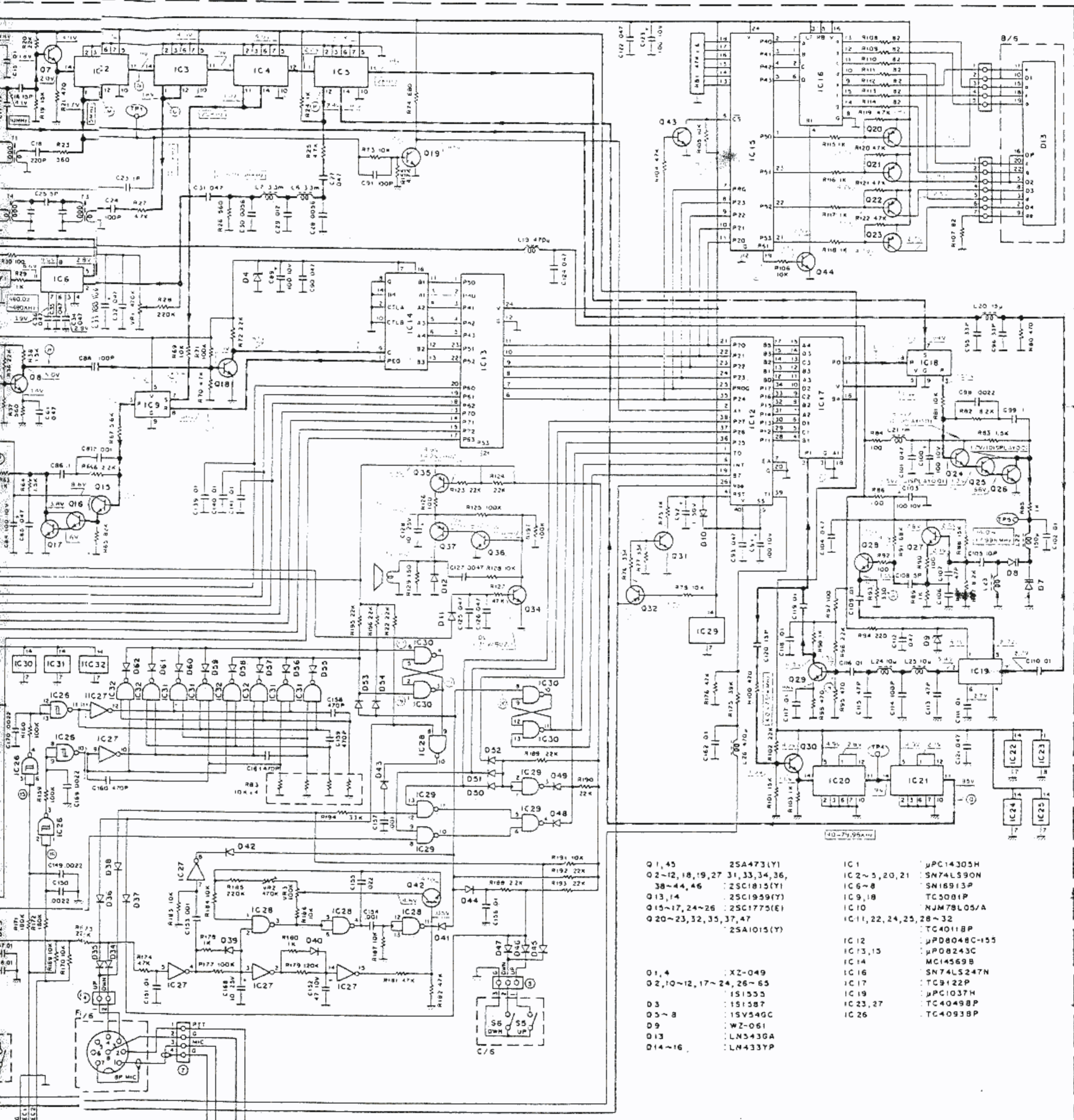
Oscillat
 frequ
 Output
 Freque
 Power
 (Suppl
 transce
 Semic
 used
 Dimen
 Weigh



Wave form a/a b/b c/c
 Display: 0.0 ~ 9.9 10.0 ~ 99.9 900.0 ~ 999.9
 100.0 ~ 599.9

(Note) Wave forms are displayed at 0.0
 (VFO output 5.5MHz).





- | | | | |
|--|------------|-------------------------|--------------|
| Q1, 45 | 2SA473(Y) | IC1 | μPC14305H |
| Q2-12, 18, 19, 27, 31, 33, 34, 36, 38-44, 46 | 2SC1815(Y) | IC2~5, 20, 21 | SN74LS90N |
| Q13, 14 | 2SC1959(Y) | IC6~8 | SN16913P |
| Q15-17, 24-26 | 2SC1775(E) | IC9, 18 | TC5081P |
| Q20-23, 32, 35, 37, 47 | 2SA1015(Y) | IC10 | NJM78L05/A |
| | | IC11, 22, 24, 25, 28~32 | TC4011BP |
| | | IC12 | μPD8048C-155 |
| | | IC13, 15 | μP08243C |
| | | IC14 | MC14569B |
| | | IC16 | SN74LS247N |
| | | IC17 | TC9122P |
| | | IC19 | μPC1037H |
| | | IC23, 27 | TC40498P |
| | | IC26 | TC4093BP |
| O1, 4 | XZ-049 | | |
| O2, 10~12, 17~24, 26~65 | 151555 | | |
| O3 | 151587 | | |
| O5~8 | 15V546C | | |
| O9 | WZ-061 | | |
| O13 | LN5430A | | |
| O14~16 | LN433YP | | |

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