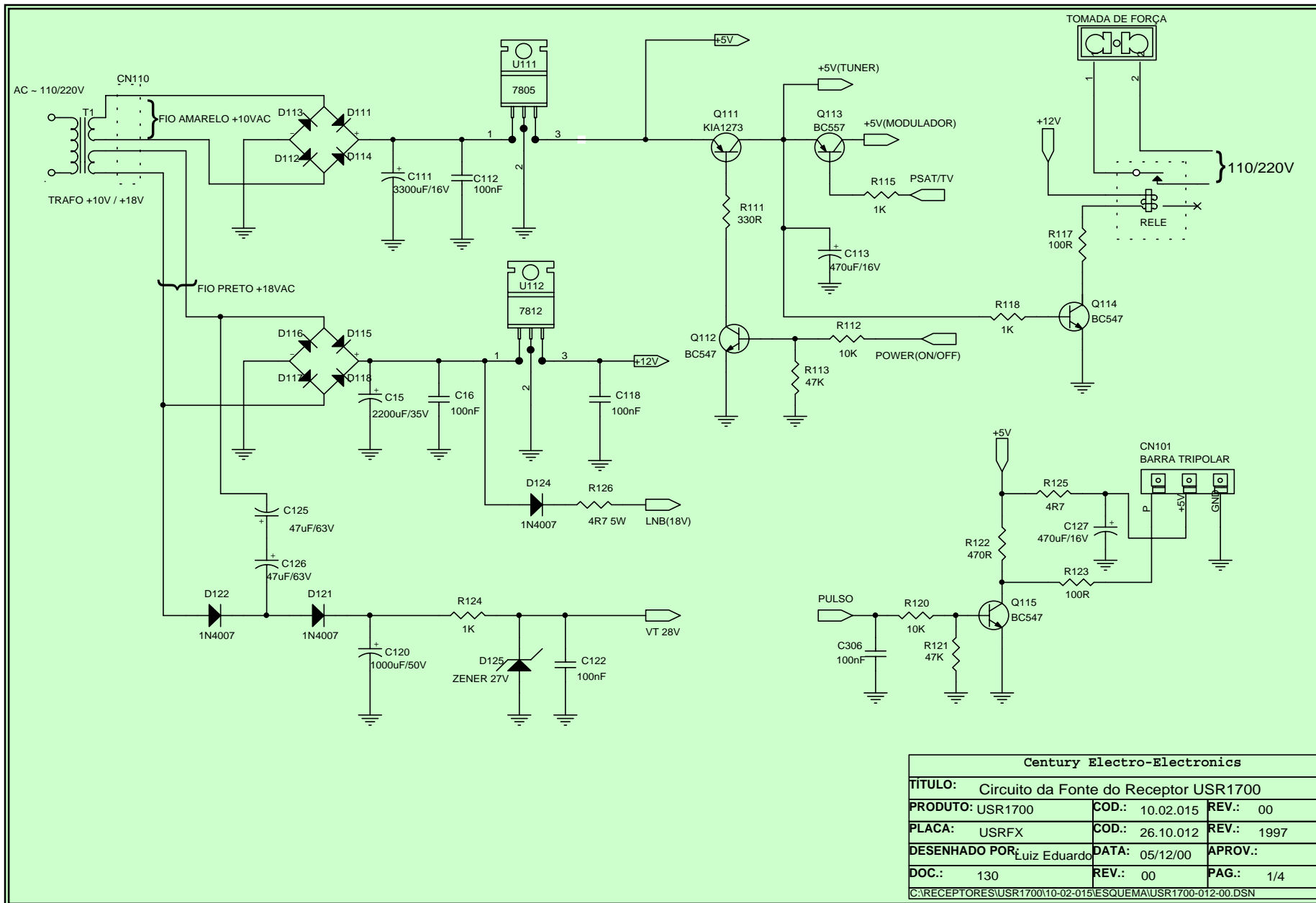
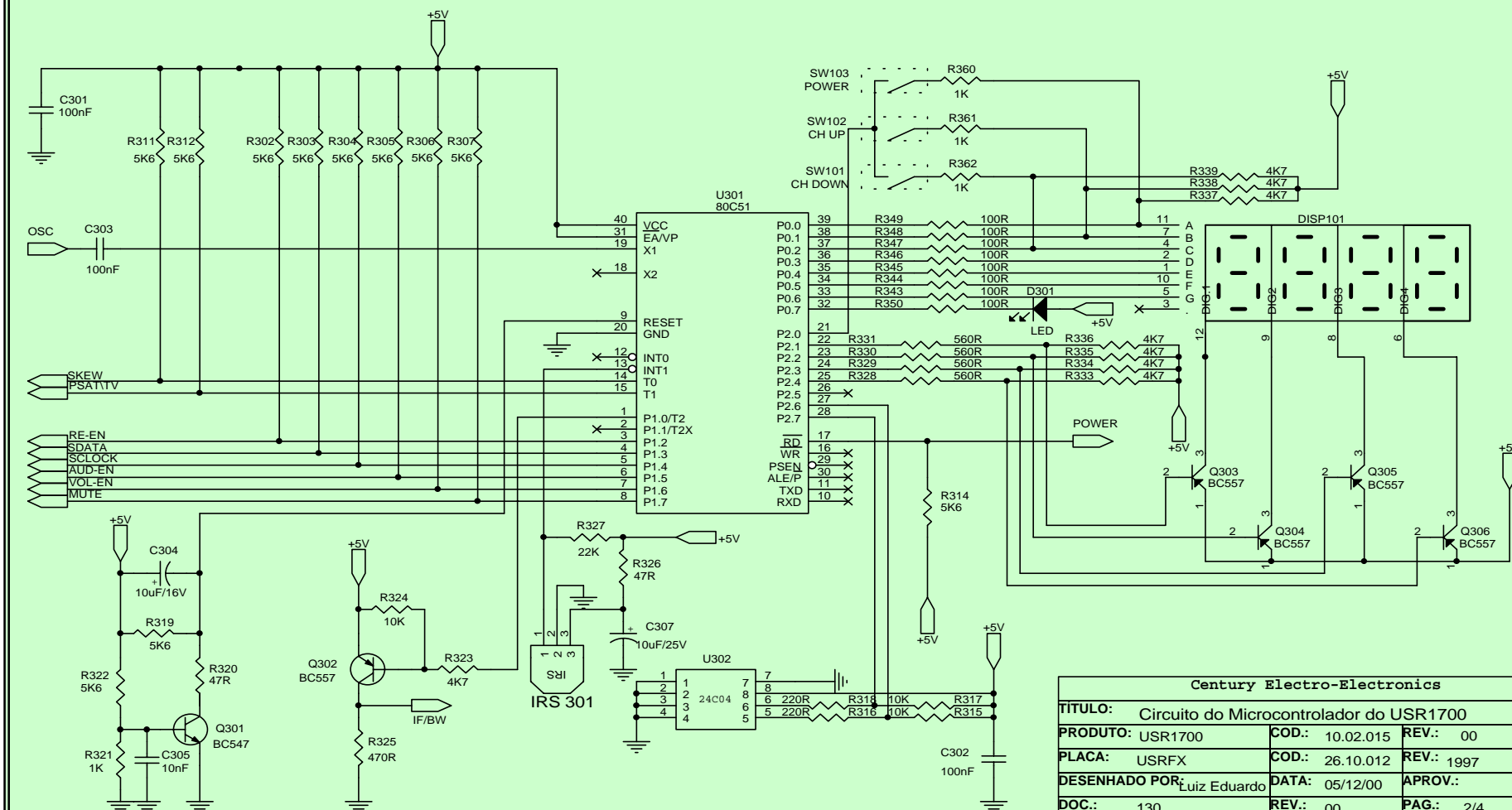


ESQUEMA ELÉTRICO DO RECEPTOR USR 1700 CENT.



ESQUEMA ELÉTRICO DO RECEPTOR USR 1700 CENT.

REV.	DESCRIÇÃO	APROV.	DATA



Century Electro-Electronics			
TITULO: Circuito do Microcontrolador do USR1700			
PRODUTO: USR1700	COD.: 10.02.015	REV.: 00	
PLACA: USRFX	COD.: 26.10.012	REV.: 1997	
DESENHADO POR: Luiz Eduardo	DATA: 05/12/00	APROV.:	
DOC.: 130	REV.: 00	PAG.: 2/4	
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The diagram illustrates the internal circuitry of the USR1700 audio receiver. It features a multi-stage design starting with a BANDA BÁSICA (Basic Band) input, followed by a pre-amplifier stage (Q210, BC 547) and a main amplifier stage (Q211, MPF102). The circuit includes a 10.7MHz filter (F201) and a 10.7MHz oscillator (L206, BOBINA 10.7MHz). A mute function is controlled by a 10K resistor (R218) and a 10uF/16V capacitor (C220). The audio output is driven by a BC 547 transistor (Q207) through a 10K resistor (R230) and a 10uF/16V capacitor (C231). The circuit is powered by a +12V supply and includes a 5V regulator (U202) for the microcontroller (U203, PT2254). The microcontroller manages the SDA, SCL, and AUD-EN signals. The circuit also includes a 11.160 MHz crystal (XT201) and a 33pF capacitor (C225) for the microcontroller's clock. The output is connected to an external speaker (AUDIO) through a 10K resistor (R230) and a 10uF/16V capacitor (C231).

Century Electro-Electronics		
TÍTULO: Circuito de Audio do USR1700		
PRODUTO: USR1700	COD.: 10.02.015	REV.: 00
PLACA: USRFX	COD.: 26.10.012	REV.: 1997
DESENHADO POR: Luiz Eduardo	DATA: 05/12/00	APROV.: 1997
DOC.: 130	REV.: 00	PAG.: 3/4

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