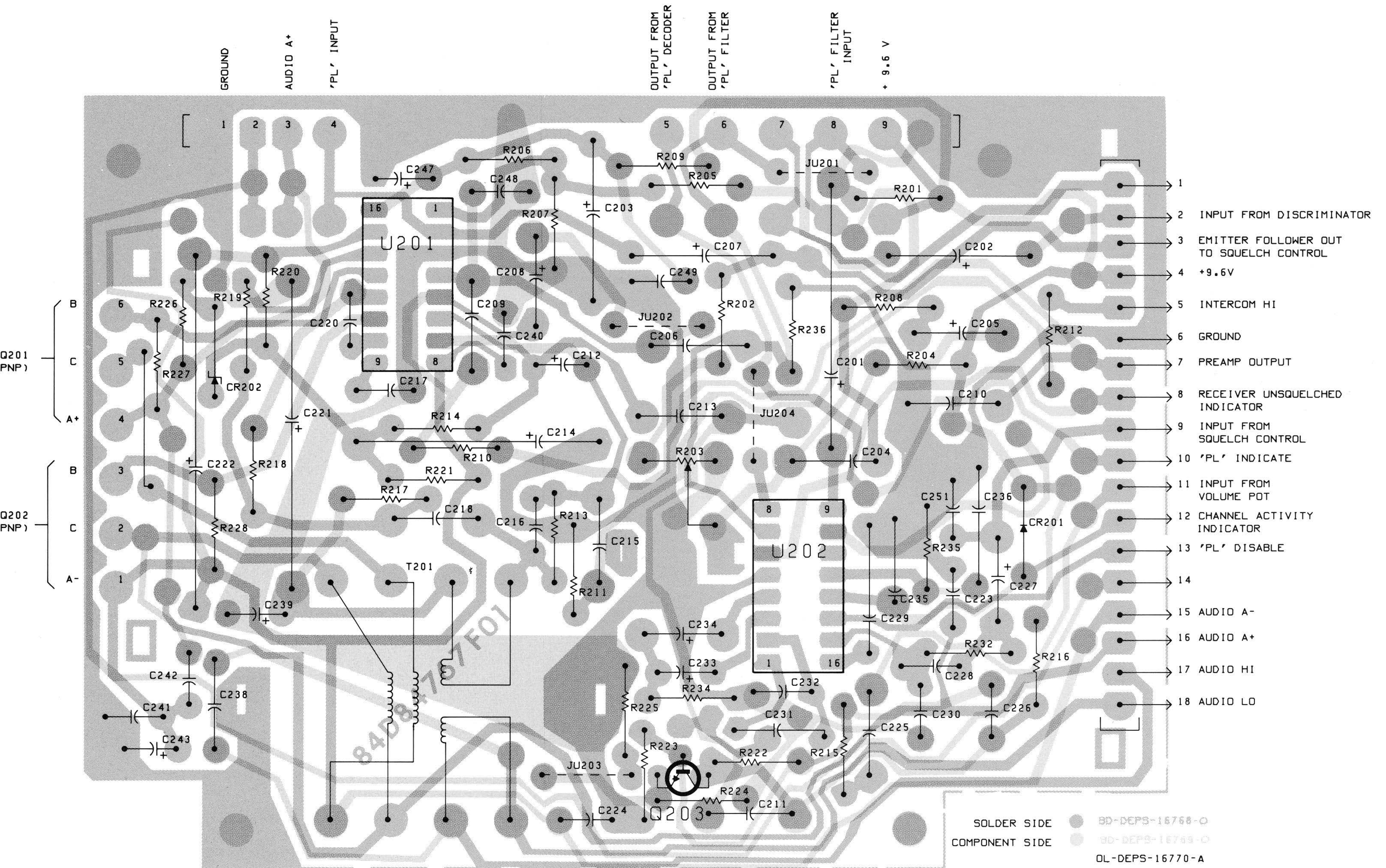
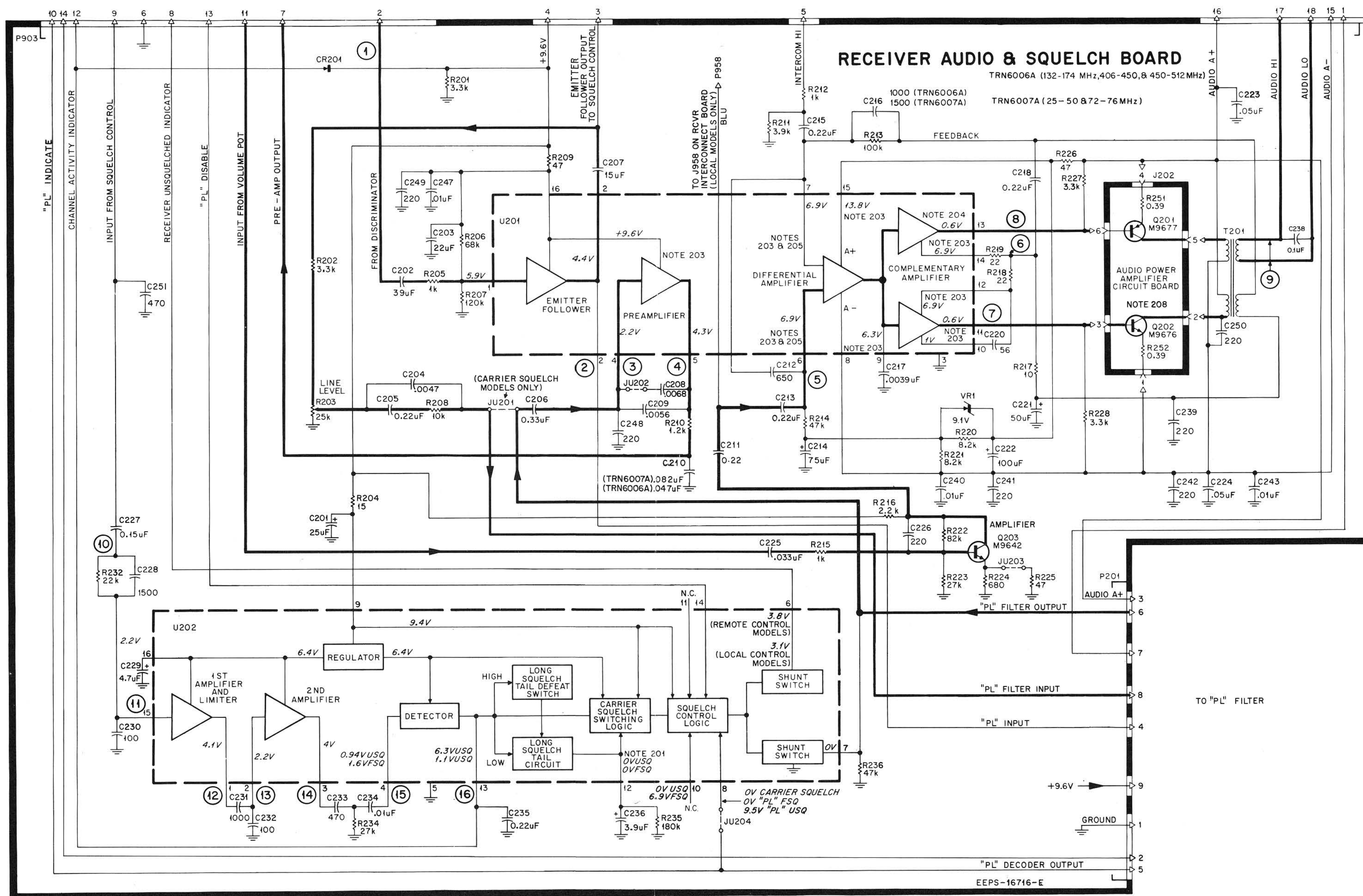




SHOWN FROM SOLDER SIDE

“MICOR” “SENSITRON” UHF RECEIVER AUDIO & SQUELCH BOARD MODEL TRN6006A, 7A



- NOTES:
201. +5.6 VOLTS WHEN THRESHOLD SIGNAL JUST OPENS SQUELCH (I.E., APPROXIMATELY 6 dB QUIETING SIGNAL WITH SQUELCH CONTROL AT THRESHOLD).
 202. WHERE MORE THAN ONE VOLTAGE READING APPEARS: USQ = RECEIVER UNSQUELCHED FSQ = RECEIVER FULLY SQUELCHED
 203. VOLTAGE MEASURED WITH RESPECT TO A-.
 204. VOLTAGE MEASURED WITH RESPECT TO A+.
 205. VOLTAGES AT U201-6 AND -7 MUST BE THE SAME VALUE.
 206. UNLESS OTHERWISE STATED: CAPACITOR VALUES ARE IN PICOFARADS.
 207. UNLESS OTHERWISE STATED, VOLTAGE MEASUREMENTS ARE FOR DC VOLTAGES $\pm 10\%$ MEASURED WITH AN 11 MEGOHM INPUT RESISTANCE VOLTMETER WITH RESPECT TO CHASSIS GROUND.
 208. AUDIO POWER AMPLIFIER IS NOT PART OF AUDIO & SQUELCH BOARD.
 209. JUMPER JU204 MUST BE REMOVED FOR "AND SQUELCH" OPERATION. (SEE "RECEIVER INTERCONNECT UNIT" SECTION). SEE JUMPER TABLE FOR JUMPER USE.

JUMPER TABLE	
JUMPER	USE
JU201	CONNECTED IN CARRIER SQUELCH STATIONS.
JU202	CONNECTED IN CARRIER SQUELCH STATIONS.
JU203	CONNECTED TO PROVIDE 10 WATTS AUDIO AT SPEAKER WITH LINE LEVELS OF -10 dBm OR LESS (REMOTE CONTROL STATIONS ONLY).
JU204	CUT FOR "AND SQUELCH"

FUNCTION

— Provides amplification of the low level audio output signal from the receiver rf and i-f.

— Provides audio squelch action

Model Usage

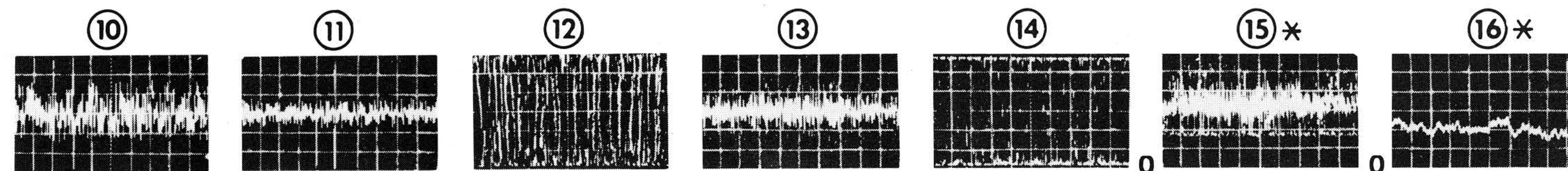
Receiver Frequency Range	TRN6006A	TRN6007A
25-50 MHz		X
72-76 MHz		X
132-174 MHz	X	
406-512 MHz	X	

SQUELCH CIRCUIT WAVEFORMS

ALL SQUELCH CIRCUIT OSCILLOSCOPE WAVEFORMS TAKEN UNDER FOLLOWING CONDITIONS:

1. VERTICAL SENSITIVITY = 0.5 V/DIV.
2. HORIZONTAL DEFLECTION = 2 msec/DIV.
3. SQUELCH CONTROL FULLY CLOCKWISE (ON). NO EXTERNAL SIGNAL APPLIED.
4. WAVEFORMS (15) AND (16) ARE DC COUPLED WITH ZERO AT BOTTOM, OTHERS AC COUPLED.

EPS-6534-D



ALL AUDIO CIRCUIT OSCILLOSCOPE WAVEFORMS TAKEN UNDER THE FOLLOWING CONDITIONS:

1. VERTICAL SENSITIVITY SHOWN UNDER EACH WAVEFORM.
2. HORIZONTAL DEFLECTION = .25 msec/DIV.
3. SQUELCH CONTROL FULLY COUNTERCLOCKWISE (OFF). 1000 μ V RF SIGNAL INPUT MODULATED WITH 1000 Hz TONE WITH ± 3.0 kHz DEVIATION.
4. VOLUME CONTROL SET FOR 9.0 V rms AT LOAD.
5. OUTPUT TERMINATED IN 8- Ω LOAD.
6. R203 SET FOR 175 mV AT PIN 7 WITH ± 5 kHz DEVIATION (1 kHz TONE).

EPS-8804-D

AUDIO CIRCUIT WAVEFORMS

