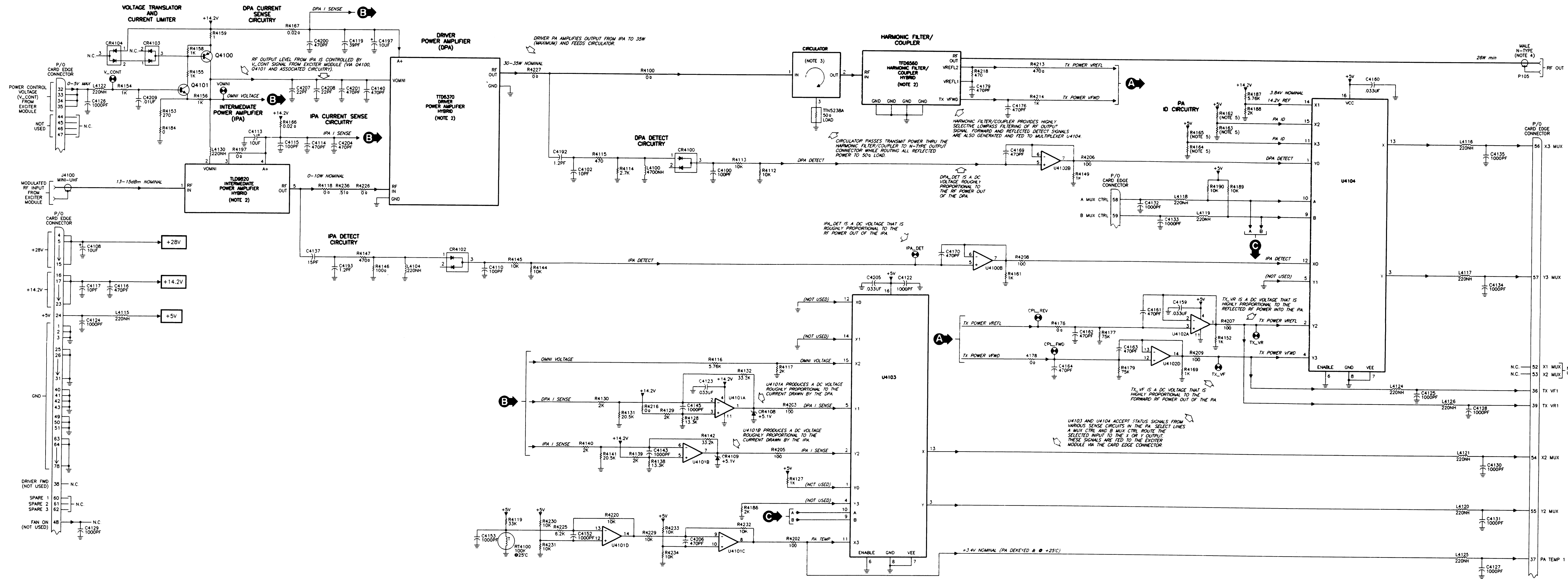


25W VHF POWER AMPLIFIER MODULE MODEL TLD3110C

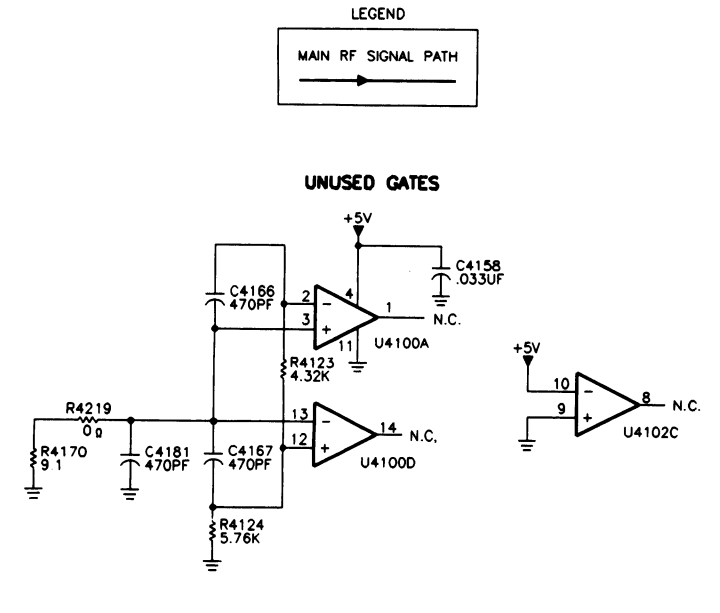


- NOTES:
- UNLESS OTHERWISE INDICATED, ALL RESISTOR VALUES ARE IN OHMS, CAPACITOR VALUES ARE IN PICOFARADS AND INDUCTOR VALUES ARE IN MILLIHENRIES.
 - TLD9820 IPA, TLD6370 DPA AND TFD6560 LOW-PASS FILTER/COUPLER ARE HYBRIDS AND ARE CONSIDERED NON-REPAIRABLE. REPAIR IS BY REPLACEMENT OF ENTIRE HYBRID.
 - THE MOTOROLA PART NUMBER FOR THE CIRCULATOR IS 588491130.
 - THE N-TYPE OUTPUT CONNECTOR (0900816159, P/O CLN7246 HARDWARE) IS SOLDERED ONTO THE REVERSE SIDE OF THE RF/DC DISTRIBUTION BOARD.
 - RESISTORS R4162 THRU R4165 COMPRISE A "RESISTOR ROW" WHICH IDENTIFIES THE BAND, RANGE AND OUTPUT POWER OF THE PARTICULAR PA MODULE. THE RESISTORS ARE PLACED AS SHOWN IN THE TABLE BELOW.

MODEL	R4162	R4163	R4164	R4165
TLD3110 (VHF: 25W, R1 & R2)	12K	68K	0 Ω	NOT PLACED

INTEGRATED CIRCUIT POWER AND GROUND CONNECTIONS

REF DESIG	TYPE	DESCRIPTION	SUPPLY PIN	GROUND PIN
U4100	MC33074	HIGH PERFORMANCE OPERATIONAL AMPLIFIER	4	11
U4101	MC33074	HIGH PERFORMANCE OPERATIONAL AMPLIFIER	4	11
U4102	MC33074	HIGH PERFORMANCE OPERATIONAL AMPLIFIER	4	11
U4103	74HC4052	ANALOG MULTIPLEXER/DEMULPLEXER	16	8
U4104	74HC4052	ANALOG MULTIPLEXER/DEMULPLEXER	16	8



FLEPS-48782-B