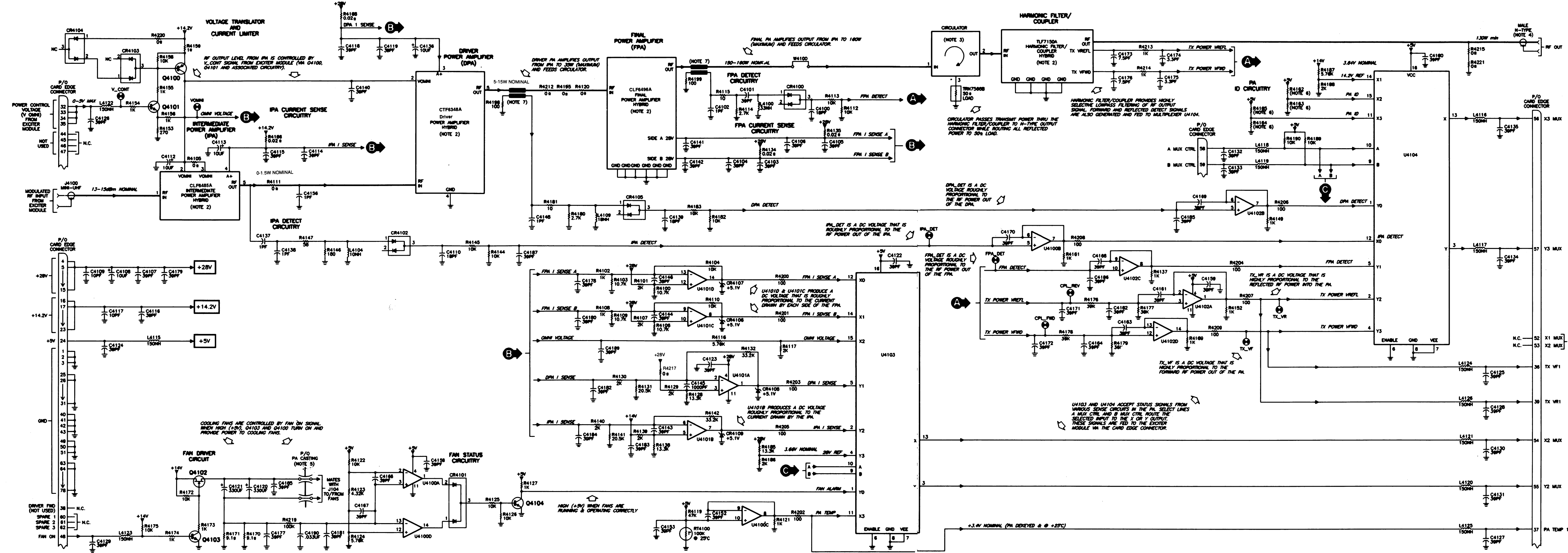


100W 900 MHz POWER AMPLIFIER MODULE

MODEL CTF1092A



- NOTES:
- UNLESS OTHERWISE INDICATED, ALL RESISTOR VALUES ARE IN OHMS. CAPACITOR VALUES ARE IN MICROFARADS AND INDUCTOR VALUES ARE IN MILLIHENRIES.
 - CLF8485A IPA, CTF8348A DPA, AND TL7150A 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 580491106.
 - THE N-TYPE OUTPUT CONNECTOR (0800818159, P/O TRN7908A HARDWARE) IS SOLDERED ONTO THE REVERSE SIDE OF THE RF/DC DISTRIBUTION BOARD.
 - CONNECTIONS TO THE COOLING FANS ARE MADE VIA FEEDTHRU CAPACITORS (1000PF, P/O TRN7908A HARDWARE).
 - RESISTORS R4162 THRU R4185 COMPRISE A "RESISTOR ROM" WHICH IDENTIFIES THE BAND, RANGE AND OUTPUT POWER OF THE PARTICULAR PA MODULE. THE RESISTORS ARE PLACED AS SHOWN IN THE TABLE BELOW.
 - FPA/DPA DETECT CIRCUITRY ACCEPT SAMPLES OF FPA/DPA OUTPUTS VIA MICROSTRIP COUPLERS.

MODEL	R4162	R4163	R4164	R4165
CTF1092A (900 MHz)	20.5K	10K	1K	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/DEMULTEPLEXER	16	8
U4104	74HC4052	ANALOG MULTIPLEXER/DEMULTEPLEXER	16	8



FLEPS-48801-A

