

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	CHANGED TO HYBRID COMBINER FOLLOWED BY ELLIPTICAL FILTER	08-30-99	RWBORTH

3KW PWR AMP MOTHERBOARD

- 700 WATT POWER AMPLIFIER 1
- 300VDC; P1-1,2
 - RFOUT; P1-4,5,6
 - RFGND; P1-8,9,10
 - GND; P1-11,12,13
 - PDMSIG; P1-14
 - PDMRTN; P1-15
 - QBARSIG; P1-16
 - QBARRTN; P1-17
 - QSIGNA; P1-18
 - QRTN; P1-19
 - AMP_ON; P1-20
 - PLUS18VDC; P1-21
 - GND; P1-22
- S-213-110

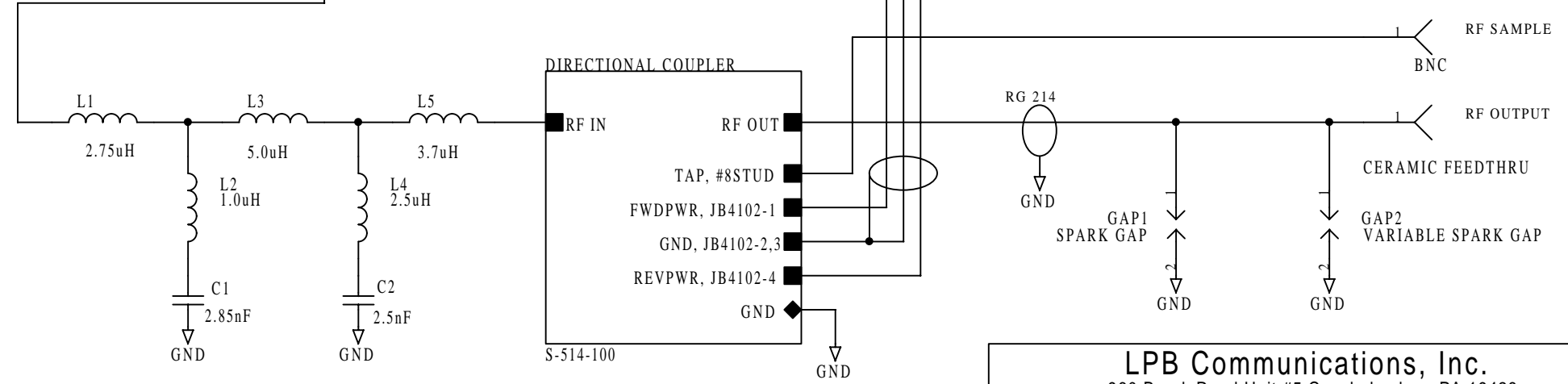
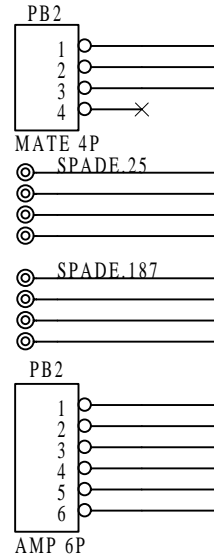
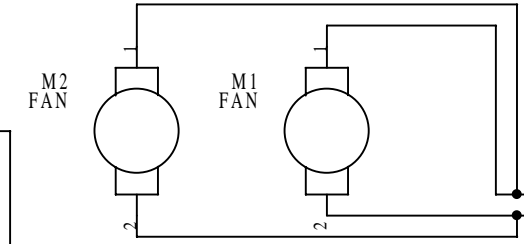
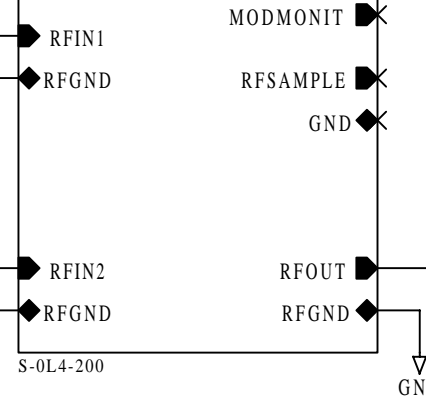
- 700 WATT POWER AMPLIFIER 2
- 300VDC; P2-1,2
 - RFOUT; P2-4,5,6
 - RFGND; P2-8,9,10
 - GND; P2-11,12,13
 - PDMSIG; P2-14
 - PDMRTN; P2-15
 - QBARSIG; P2-16
 - QBARRTN; P2-17
 - QSIGNA; P2-18
 - QRTN; P2-19
 - AMP_ON; P2-20
 - PLUS18VDC; P2-21
 - GND; P2-22
- S-213-110

- 300VDC; P3-1,2
- RFOUT; P3-4,5,6
- RFGND; P3-8,9,10
- GND; P3-11,12,13
- PDMSIG; P3-14
- PDMRTN; P3-15
- QBARSIG; P3-16
- QBARRTN; P3-17
- QSIGNA; P3-18
- QRTN; P3-19
- AMP_ON; P3-20
- PLUS18VDC; P3-21
- GND; P3-22

- 300VDC; P4-1,2
- RFOUT; P4-4,5,6
- RFGND; P4-8,9,10
- GND; P4-11,12,13
- PDMSIG; P4-14
- PDMRTN; P4-15
- QBARSIG; P4-16
- QBARRTN; P4-17
- QSIGNA; P4-18
- QRTN; P4-19
- AMP_ON; P4-20
- PLUS18VDC; P4-21
- GND; P4-22

- PWRAMP1; RF1
- GND; RF1GND
- PWRAMP2; RF2
- GND; RF2GND
- +18VDC1; JB2-1
- +18VDC2; JB2-2
- GND; JB2-3
- GND1; SP8
- GND2; SP3
- GND3; SP5
- GND4; SP1
- 300VDC1; SP7
- 300VDC2; SP4
- 300VDC3; SP6
- 300VDC4; SP2
- PDMSIG; JB1-1
- PDMRTN; JB1-2
- QSIGNA; JB1-3
- QRTN; JB1-4
- QBARSIG; JB1-5
- INHIBIT; JB1-6
- GND; JB3-1
- AMPFAULT; JB3-2
- AMP FAULT; JB3-3
- GND; JB3-4
- PWRAMP3; RF3
- GND; RF3GND
- PWRAMP4; RF4
- GND; RF4GND

1000I HYBRID COMBINER/DET PCB



COMPONENT VALUES ARE FOR 1 MHZ ANTENNA INTERFACE UNIT
OTHER FREQUENCIES REQUIRE THAT THE COMPONENT VALUES BE SCALED ACCORDINGLY

NOTE: UNLESS OTHERWISE SPECIFIED
CAPACITANCE IN FARADS
INDUCTANCE IN HENRIES
RESISTANCE IN OHMS

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Title: **1KW PWR AMP/COMBINER/FILTER PANEL**

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Date: Friday, October 27, 2000 Sheet 1 of 1