



NOTES:

High frequency performance is dependent on proper RF connector assembly. The following factors must be controlled for optimum performance:

1. The connector should fit tightly against the circuit board edge, avoid gaps.
2. The center contact pin must lie parallel and flat against the circuit board, avoid gaps.
3. The contact pin should be centered on the circuit board signal trace.
4. Use a minimal amount of solder between the contact pin and signal trace. Do not allow excess solder to build up or flow down the trace.
5. Clean all excess flux and other residue from launch area, especially between the trace and ground.

6. USE 101-0515-01 PCB.

7. CAUTION:
CONTAINS PARTS AND ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD)

8. ALL TRANSMISSION LINES ARE:
15 MIL WIDTH, 10MIL GAPS, 8 MIL CORE DIELECTRIC
ROGERS 4003 ON TOP LAYER AND FR4 ON INNER AND BOTTOM LAYERS.

MADE FROM 102-0612-02

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES AND APPLY TO THE FINISHED PART TOLERANCES ARE: FRACTIONS DECIMALS ± .XX ± .01 ± .XXX ± .005 DO NOT SCALE DRAWING		CONTRACT NO.		PEREGRINE SEMICONDUCTOR 9380 Carroll Park Drive, Suite 100 San Diego, CA 92121	
		DRAWN S. JOHNSON	DATE 7-11-13		
MATERIAL		ENGINEER SRI SRIDHARAN	DATE 7-11-13	SCHEMATIC, PE42441 EVK PCB	
		CHECKED	DATE		
FINISH		APPROVED	DATE	SIZE	CAGE CODE
SIMILAR TO		ISSUED	DATE	SCALE:	DATE
				DWG NO. DOC-32327	REV 01
					Sheet 1 of 1

Item	Qty	Reference	Value	Description	Peregrine P/N	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Data Sheet	Notes
1	2	C5-6	0.1uF	Capacitor, Ceramic 0.1uF 16V X5R 0402		Panasonic - ECG	ECJ-0EB1C104K	Digi-Key	PCC2363CT-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=PCC2363CT-ND	
2	4	C1-3	22pF	Capacitor, Ceramic, 22PF, 50V, 0402		Panasonic - ECG	ECJ-0EC1H220J	Digi-Key	PCC220CQTR-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=PCC220CQTR-ND	
3	1	J8	HEADER 14			Sullins Electronics Corp.	PZC36DABN	Digi-Key	S2021-36-ND	http://rocky.digikey.com/WebLib/Sullins/Web%20Data/PZC36DABN.pdf	Cut to 14 Pin Header .100
4	1	U1	PE42441	SOCKET, MICROTTEST, 3924, 5X5, 32L FOR PE42441				PEREGRINE	PE42441		
5	4	R3-7	0 OHM	Resistor, ZERO OHM .1/10W, 5%, 0402		Panasonic - ECG	ERJ-2GE0R00X	Digi-Key	P0.0JTR-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=P0.0JCT-ND	
6	2	R1-2	1M	Resistor, 1.00M OHM 1/16W 1% 0402 SMD		VISHAY DALE	CRCW04021M00FKED	Digi-Key	541-1.00MLTR-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?Detail&name=541-1.00MLTR-ND	
7	7	J1-7	142-0761-881/891	CONN, JACK, SMA, 50 OHMS, PC MOUNT		Emerson Network Power	142-0761-881/891	Digi-Key	J801-ND	http://search.digikey.com/scripts/DkSearch/dksus.dll?vendor=0&keywords=142-0761-881	
8	1			PCB, PE42441 EVK	101-0515-01						