

NOTES:

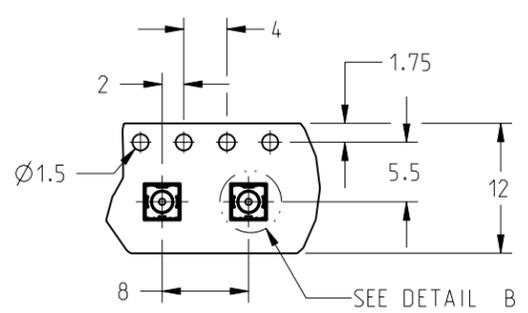
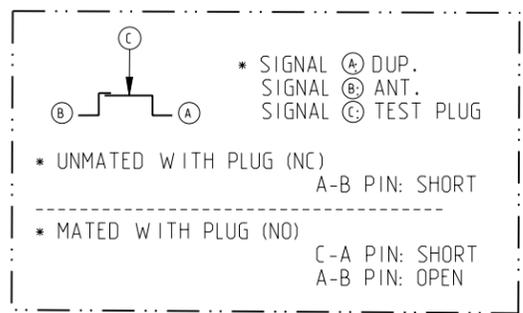
1. ELECTRICAL:  
 A. IMPEDENCE: 50Ω, NOMINAL  
 B. FREQUENCY RANGE: DC-11 GHz  
 C. VSWR: 1.2 MAX. @ DC-3 GHz, 1.3 MAX. @ 3-6 GHz, 1.5 Max. @ 6-11 GHz  
 D. INITIAL CONTACT RESISTANCE: 120 mΩ MAX (WITHOUT CONDUCTOR RESISTANCE)  
 E. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC FOR 1 MINUTE.  
 F. INSULATION RESISTANCE: 500 MEGOHMS MIN.  
 G. INSERTION LOSS: 0.1dB MAX. @ DC-3 GHz  
 0.2dB MAX. @ 3-6 GHz  
 0.6dB MAX. @ 6-11 GHz  
 H. ISOLATION: 20dB MIN. @ DC-3 GHz  
 15dB MIN. @ 3-6 GHz  
 10dB MIN. @ 6-11 GHz  
 J. POWER: 2W MAX.

2. PHYSICAL:  
 A. TEMPERATURE RANGE: -40°C TO +85°C  
 B. DURABILITY: 500 CYCLES  
 C. SUITABLE FOR LEAD-FREE SOLDER REFLOW PROCESS  
 PER AMPHENOL SPEC. 349-50712

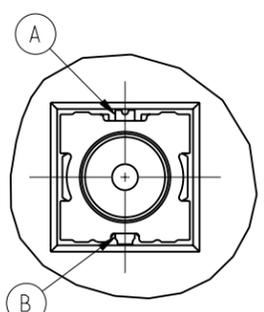
3. MATERIALS AND FINISHES (PLATING THICKNESS IN MICRO-INCHES):  
 SHELL - COPPER ALLOY, 50u" MIN. NICKEL OVERALL, SOLDERING AREA AU 1u" MIN.  
 A-PIN(MOVING) - STAINLESS STEEL, 50u" MIN. NICKEL OVERALL, CONTACT AREA AU 5u" MIN, SOLDERING AREA AU 1u" MIN.  
 B-PIN(FIXED) - STAINLESS STEEL, 50u" MIN. NICKEL OVERALL, CONTACT AREA AU 5u" MIN, SOLDERING AREA AU 1u" MIN.  
 HOUSING - LCP, UL 94V-0, BLACK

4. PACKAGING:  
 A. TAPE AND REEL PACKAGING.  
 B. QTY : 1000 PCS/REEL(Ø178 MM)  
 C. LEAVE 20 EMPTY POCKETS IN THE BEGINNING AND END OF EACH REEL.

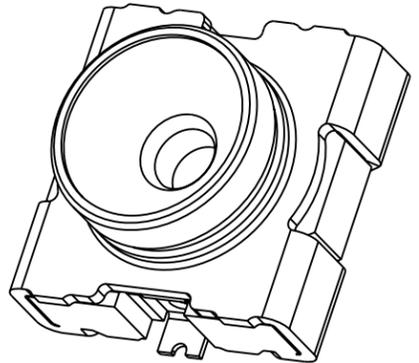
- NOTE:  
 1. COPLANARITY: MAX. 0.1  
 2. OTHERWISE TOLERANCE: ±0.15  
 3. RF SWITCH CIRCUIT DIAGRAM:



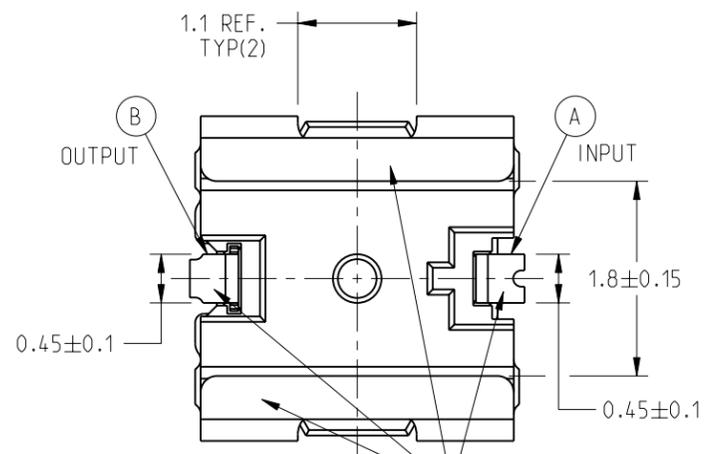
SCALE 1.500  
EMBOSSD CARRIER TAPE DIMENSIONS



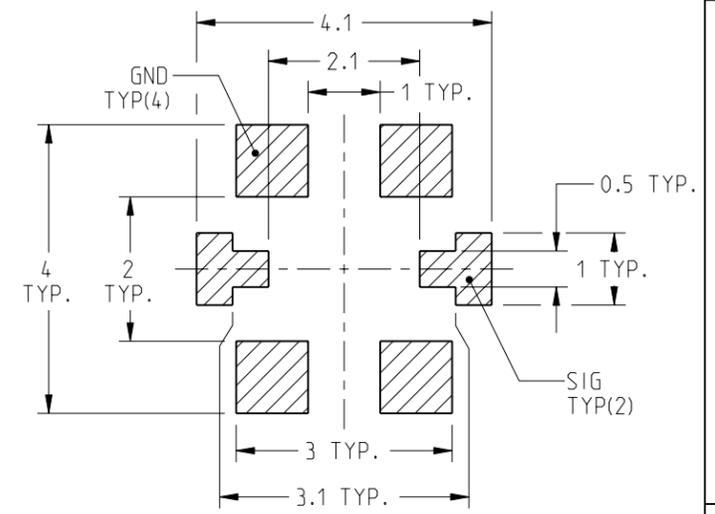
DETAIL B  
SCALE 6.000



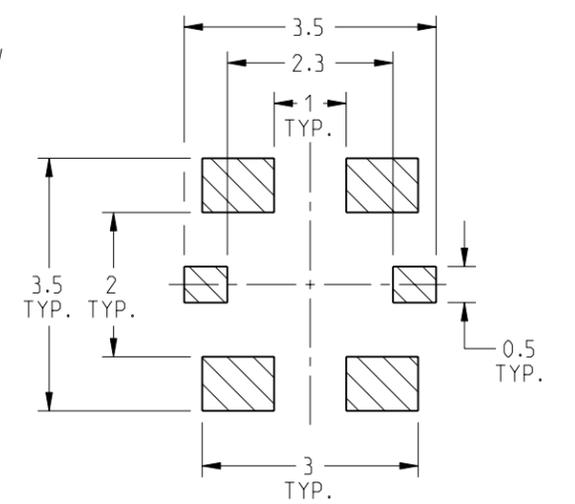
SCALE 15.000



RECOMMENDED SOLDER MASK PATTERN  
(MASK THICKNESS 0.10mm)



RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE: ±0.05



RECOMMENDED SOLDER MASK PATTERN  
(MASK THICKNESS 0.12mm)

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	3/5/08	46979	NMV
B	UPDATED TEMPERATURE RANGE TO -40	4/2/09	47532	TRC
C	ADDED NOTE 4	1/21/13	49403	EW
D	CYCLES WAS 2000, 250 VAC WAS 100VAC, MATERIALS UPDATED, 0.80 WAS .75 ADDED NOTCH, CONTACT RESISTANCE WAS 50 mΩ INNER 40 mΩ OUTER, INSULATION RESISTANCE WAS 1000 MΩ MATERIAL WAS BeCu ADDED INPUT TERMINAL MATERIA	3/3/14	49763	EW
E	SYNC THE DRAWING WITH DANBURY\RD-DM14111201T1	24-Nov-14	50189	RC
F	UPDATED APPEARANCE; PACKAGING QUANTITY CHANG TO 1000 PCS/REEL; UPDATED NOTES AND DRAWING FORMAT	24-MAY-22	16277	SH

**CUSTOMER OUTLINE DRAWING**  
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:  
 <0.5mm = ±0.05mm [-0.020 = ±0.002]  
 >0.5 - 6mm = ±0.1mm [-0.020 - 0.236 = ±0.004]  
 >6.00 - 30mm = ±0.2mm [-0.236 - 1.181 = ±0.008]  
 >30.00 - 120mm = ±0.3mm [-1.181 - 4.725 = ±0.012]

ANGLES = ±1°

MATERIAL  
 ENGR.1 TANGOR  
 ENGR.2 PRAVEEN N.B  
 DATE 24-Nov-14

TITLE  
 RF SWITCH ASSEMBLY  
 SHEET NO. 2 OF 2  
 SCALE: 15.0:1.0

Amphenol RF  
 SIZE B  
 DRAWING NO. 902-9040  
 ITEM NO. 902-9040  
 PART NO. 902-9040  
 REV F