

NOTES:

1. MATERIALS AND FINISHES:

- BODY - ZINC DIECAST PER ASTM B86, MATTE TIN PLATING (.000100 THICK MIN.)
- INNER BODY - BRASS PER ASTM B16, NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE
- CONTACT - BRASS PER ASTM B16, GOLD PLATING (.000030 THICK MIN.)
- INSULATOR - PTFE PER ASTM D1710, COLOR: NATURAL
- COLOR RING - NYLON 46, COLOR: PER TABLE

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM, NOMINAL
- B. FREQUENCY RANGE: DC - 3 GHz
- C. VSWR(RETURN LOSS): 1.2 (20.8 dB), MAX.
- D. D.W.V.: 800 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 100 CYCLES MIN.
- B. TEMPERATURE RANGE: -65° C TO 165° C
- C. SUITABLE FOR PICK AND PLACE AND SOLDER REFLOW PROCESSING PER AMPHENOL SPEC. 349-50712
- D. CONNECTOR-BOARD RETENTION: 110N MIN., AXIAL
- E. FAKRA INTERFACE PER DIN 72594-1
- F. MOISTURE SEAL: INTERFACE MEETS IP64 (UNMATED)

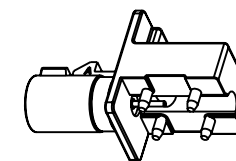
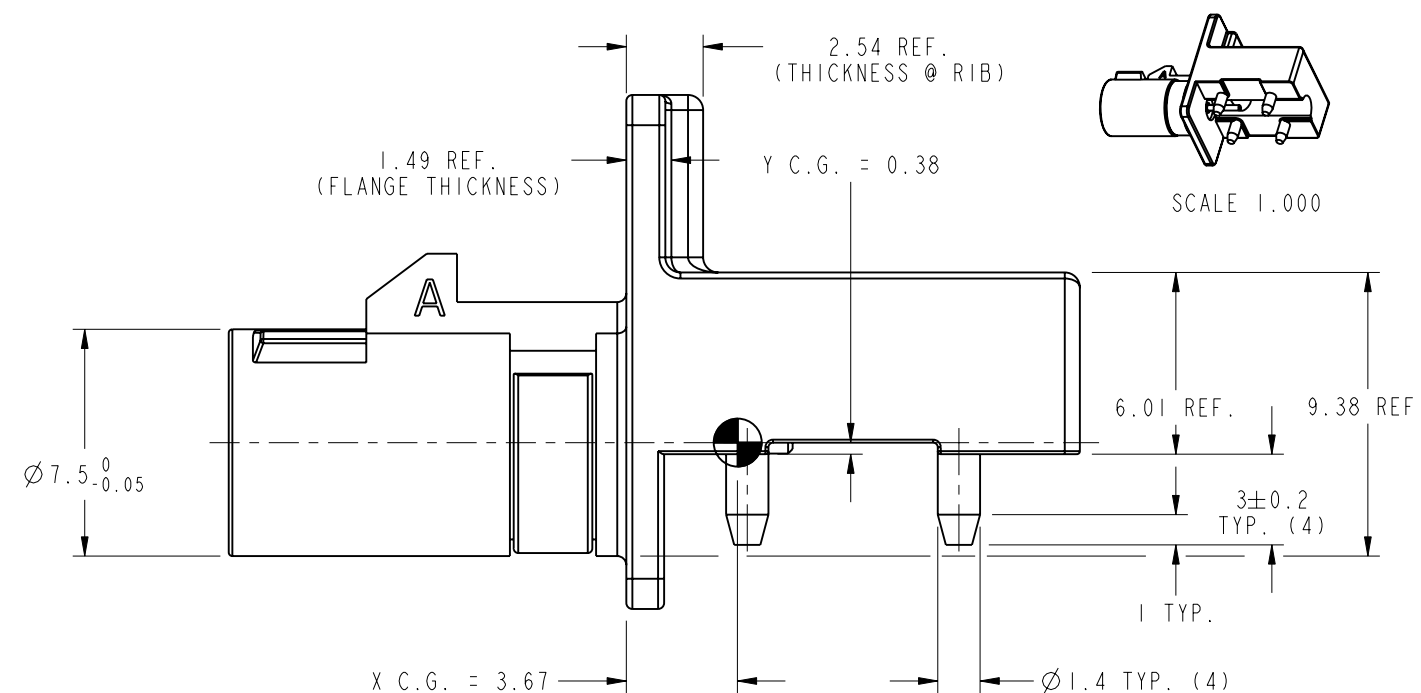
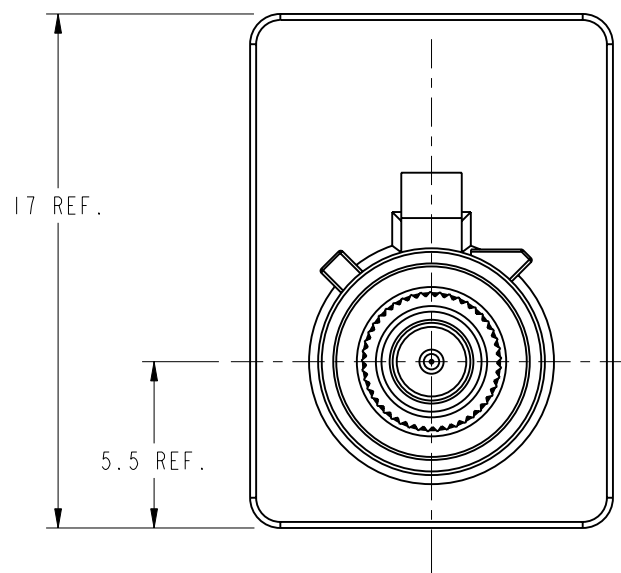
4. PACKAGING:

- A. TAPE & REEL
- B. MARKING: REELS TO BE MARKED: "AMPHENOL RF, 2FAI-NXSP-PCB-3, AND DATE CODE"

THIRD ANGLE PROJ.

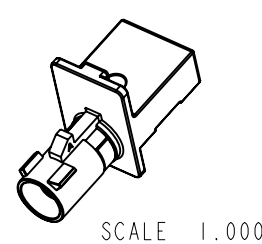
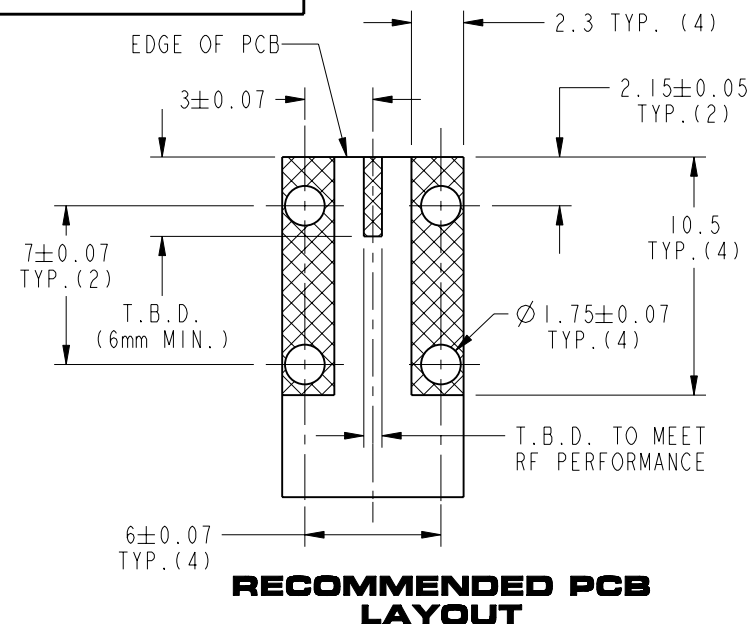
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	28-Dec-09	47940	BCG
B	A) 17 REF. WAS 21 REF., B) Y.C.G.: 0.38 WAS 3.268 C) REMOVED MOUNTING HOLE (RD-DM11050401K)	09-May-11	48148	MJN

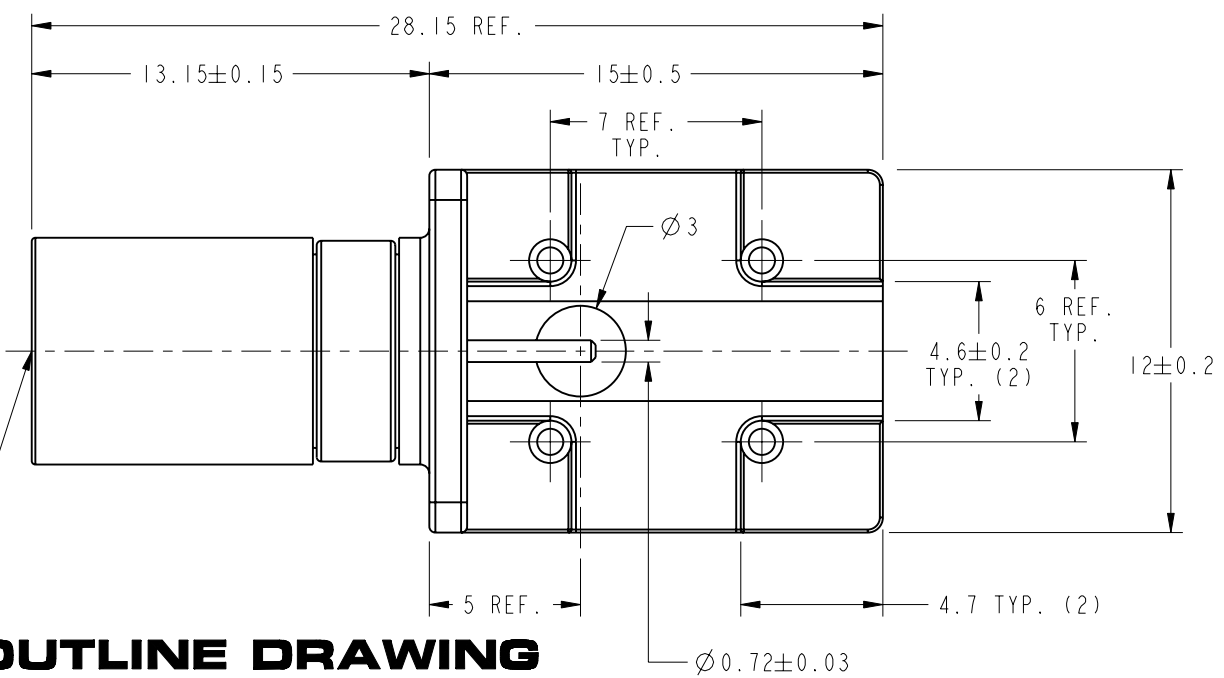


**CONFIGURATION CONTROL:**  
NO CHANGES PERMITTED TO DRAWING WITHOUT  
PPAP QUALIFIED CUSTOMER APPROVAL

AMPHENOL RF PART NUMBER	CODING	COLOR
2FAI-NASP-PCB-3	A	JET BLACK
2FAI-NBSP-PCB-3	B	CREAM
2FAI-NCSP-PCB-3	C	SIGNAL BLUE
2FAI-NDSP-PCB-3	D	CLARET VIOLET
2FAI-NESP-PCB-3	E	LEAF GREEN
2FAI-NFSP-PCB-3	F	NUT BROWN
2FAI-NGSP-PCB-3	G	BLUE GREY
2FAI-NHSP-PCB-3	H	HEATHER VIOLET
2FAI-NISP-PCB-3	I	BEIGE
2FAI-NKSP-PCB-3	K	CURRY
2FAI-NLSP-PCB-3	L	CARMINE RED
2FAI-NMSP-PCB-3	M	PASTEL ORANGE
2FAI-NNSP-PCB-3	N	PASTEL GREEN
2FAI-NZSP-PCB-3	Z	WATER BLUE



FAKRA INTERFACE PER NOTE 3E



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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
 <0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°  
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MATERIAL	DRAWN	DATE	TITLE	<p align="center"><b>Amphenol RF</b> Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com</p>
REFERENCE	B.C. GLEISSNER	13-Jun-08	FAKRA PLUG, PCB MOUNT, LOW PROFILE, STR. CONTACT, WITH MOUNTING FLANGE	
CONFIGURATION LEVEL: RELEASE	ENGINEER	DATE	SCALE: 4.0:1.0 SHEET 2 OF 2	
FINISH	B.C. GLEISSNER	13-Jun-08	DWG SIZE B REV B	
	APPROVED	DATE		DRAWING NO. 2FAI-NXSP-PCB-3
	S.HSIEH	09-May-11		ITEM NO. 2FAI-NXSP-PCB-3
	CAD FILE			PART NO. 2FAI-NXSP-PCB-3
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