### NOTES:

I. MATERIALS AND FINISHES:

- ZINC DIECAST PER ASTM B86, MATTE TIN PLATING (.000100 THICK MIN.) - BRASS PER ASTM BI6, NICKEL PL. 100 MIN.THICK OVER COPPER STRIKE - BRASS PER ASTM BI6, GOLD PLATING (.000030 THICK MIN.) - PTFE PER ASTM DI710, COLOR: NATURAL INNER BODY

INSULATOR

COLORED 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.

800 VRMS, MIN. D. D.W.V.:

#### 3. MECHANICAL:

A. DURABILITY: 100 CYCLES MIN.

TEMPERATURE RANGE: -65° C TO 165° C SUITABLE FOR PICK AND PLACE AND SOLDER REFLOW PROCESSING PER AMPHENOL SPEC. 349-50712

CONNECTOR-BOARD RETENTION: IION MIN., AXIAL

E. FAKRA INTERFACE PER DIN 72594-1

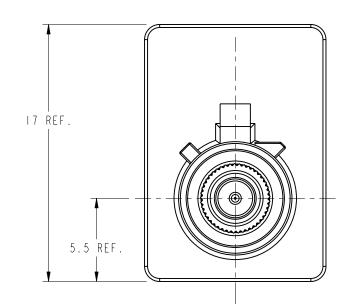
F. MOISTURE SEAL: INTERFACE MEETS 1P64 (UNMATED)

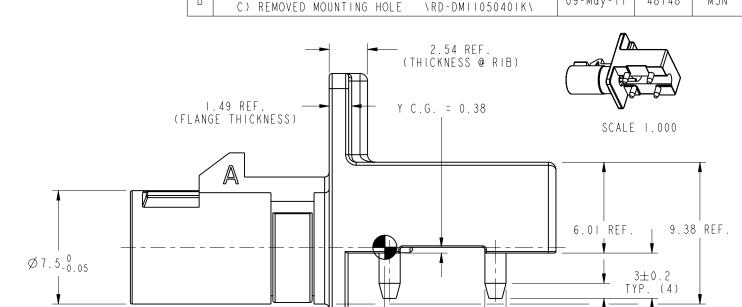
#### 4. PACKAGING:

A. TAPE & REEL

B. MARKING: REELS TO BE MARKED:

"AMPHENOL RF, 2FAI-NXSP-PCB-3, AND DATE CODE"





DESCRIPTION

RELEASE TO MFG.

A) 17 REF. WAS 21 REF., B) Y.C.G.: 0.38 WAS 3.268

REVISIONS

DATE

28 - Dec - 09

09-May-II

I TYP.

 $-\emptyset$  I . 4 TYP. (4)

ECO

47940

48 | 48

APPR

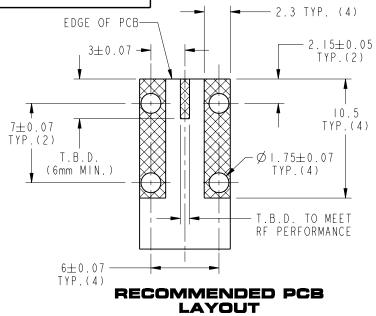
BCG

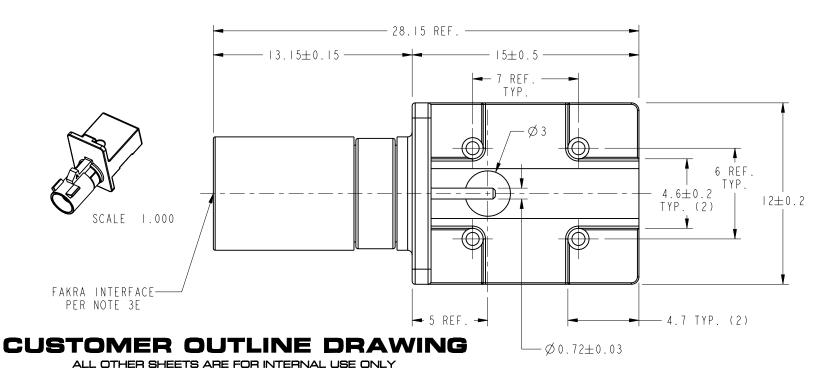
M.J.N

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

AMPHENOL RF PART NUMBER	CODING	COLOR	3±0.		
2FAI-NASP-PCB-3	А	JET BLACK			
2FAI-NBSP-PCB-3	В	CREAM	1		
2FAI-NCSP-PCB-3	С	SIGNAL BLUE	7±0.07		
2FAI-NDSP-PCB-3	D	CLARET VIOLET	TYP.(2)		
2FAI-NESP-PCB-3	E	LEAF GREEN	T.B.D.		
2FAI-NFSP-PCB-3	F	NUT BROWN	√ (6mm MIN.)		
2FAI-NGSP-PCB-3	G	BLUE GREY			
2FAI-NHSP-PCB-3	Н	HEATHER VIOLET			
2FAI-NISP-PCB-3		BEIGE			
2FAI-NKSP-PCB-3	K	CURRY			
2FAI-NLSP-PCB-3	L	CARMINE RED	6±0.07 —		
2FAI-NMSP-PCB-3	М	PASTEL ORANGE	TYP. (4)		
2FAI-NNSP-PCB-3	N	PASTEL GREEN			
2FAI-NZSP-PCB-3	Z	WATER BLUE			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:					

<0.5mm 0.5 - 6mm





X C.G. = 3.67 →

6 - 30mm 30 - 120mm ANGLES

 $\pm\,$ 0 . Imm ±0.2mm NOTICE - These drawings, specifications, or other data (I) are, and remain the property of Amphenol corp. (2) must be returned upon requiest; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the funishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other sperson to manufacture, use or sell any product, process or design, patented or otherwsie, that may in any way be related to or disclosed by said drawings, specifications, or other data.

	MATERIAL -	DRAWN B.C. GLEISSNER	
		ENGINEER B.C. GLEISSNER	C
	REFERENCE AND	APPROVED	D
EAR # 2920 AND CONFIGURATION LEVEL: RELEASE		S.HSIEH	0
	CONFIGURATION LEVEL: RELEASE	CAD FILE	
	FINISH	I:\FAKRA\2FAI-NXSP-PCB-3	3

DRAWN B.C. GLEISSNER	12 1 00	TITLE FAKRA PLUG, PCB M
ENGINEER B.C. GLEISSNER		LOW PROFILÉ, STR. WITH MOUNTING FLA
APPROVED	DATE	
S. HSIEH	09-May-II	SCALE: 4.0:1.0 SHEET
CAD FILE		DWG SIZE

THIRD ANGLE PROJ. 🕀 🖯

IOUNT. CONTACT NGE

2 OF 2 REV

## Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com

DRAWING NO. 2FAI-NXSP-PCB-3 ITEM NO. 2FAI-NXSP-PCB-3 PART NO. 2FAI-NXSP-PCB-3

# **Mouser Electronics**

**Authorized Distributor** 

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