

NOTES:

1. MATERIALS AND FINISHES (PLATING THICKNESS IN MICRO-INCHES):

BODY - ZINC DIECAST, MATTE TIN PLATING  
CONTACT - BRASS, GOLD PLATING  
LOCK COVER - NYLON 46, COLOR: PER TABLE  
INSULATORS - PTFE, NATURAL

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM (NOMINAL)  
B. FREQUENCY RANGE: DC - 6 GHz, (OPTIMIZED FOR DC-4GHz)  
C. VSWR(RETURN LOSS): 1.4 (-15.6 dB), MAX.(DC-2GHz)  
(MATED PAIR) 1.5 (-13.9 dB), MAX.(2-3GHz)  
D. DIELECTRIC WITHSTANDING VOLTAGE: 800 VRMS, MIN.

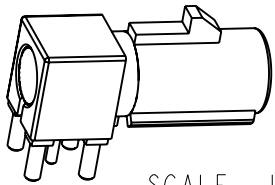
3. MECHANICAL:

A. DURABILITY: 100 CYCLES MIN.  
B. TEMPERATURE RANGE: -40 °C TO 100 °C

4. PACKAGING:

A. QUANTITY: TRAY PACK  
B. MARKING: TRAY TO BE MARKED  
"AMPHENOL, FAI-NXRP-PCBT10 AND  
DATE CODE"

5. HEATING STAGE: RECOMMEND SOLDERING  
TEMPERATURE 225° WITHIN 40 SECONDS.



SCALE 1.500

TABLE

KEY CODING	AMPHENOL RF P/N	COLOR	RAL NO.
A	FAI-NARP-PCBT10	JET BLACK	9005
B	FAI-NBRP-PCBT10	CREAM	9001
C	FAI-NCRP-PCBT10	SIGNAL BLUE	5005
D	FAI-NDRP-PCBT10	CLARET VIOLET	4004
E	FAI-NERP-PCBT10	LEAF GREEN	6002
F	FAI-NFRP-PCBT10	NUT BROWN	8011
G	FAI-NGRP-PCBT10	BLUE GREY	7031
H	FAI-NHRP-PCBT10	HEATHER VIOLET	4003
I	FAI-NIRP-PCBT10	BEIGE	1001
K	FAI-NKRP-PCBT10	CURRY	1027
L	FAI-NLRP-PCBT10	CARMINE RED	3002
M	FAI-NMRP-PCBT10	PASTEL ORANGE	2003
N	FAI-NNRP-PCBT10	PASTEL GREEN	6019
Z	FAI-NZRP-PCBT10	WATER BLUE	5021

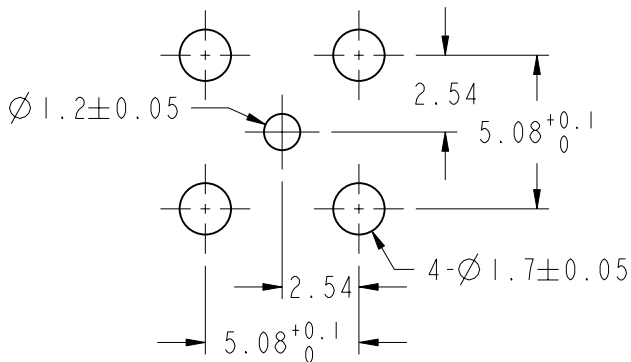
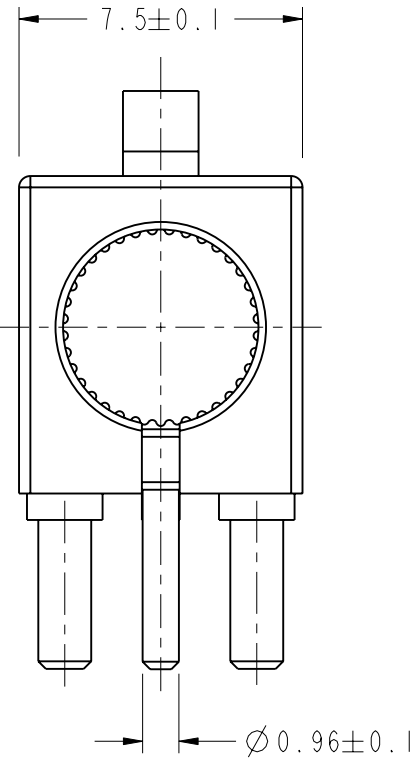
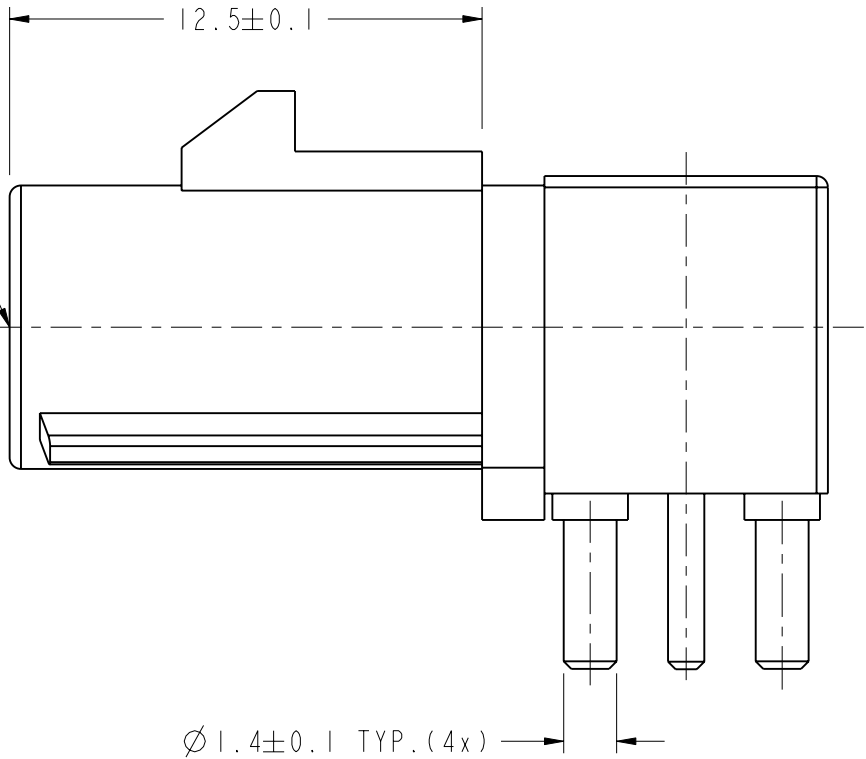
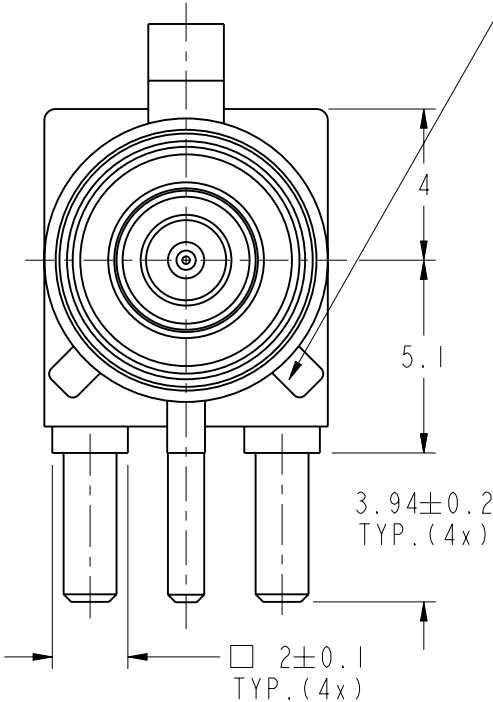
**CONFIGURATION CONTROL:**  
**NO CHANGES PERMITTED TO DRAWING WITHOUT**  
**PPAP QUALIFIED CUSTOMER APPROVAL**

THIRD ANGLE PROJ.

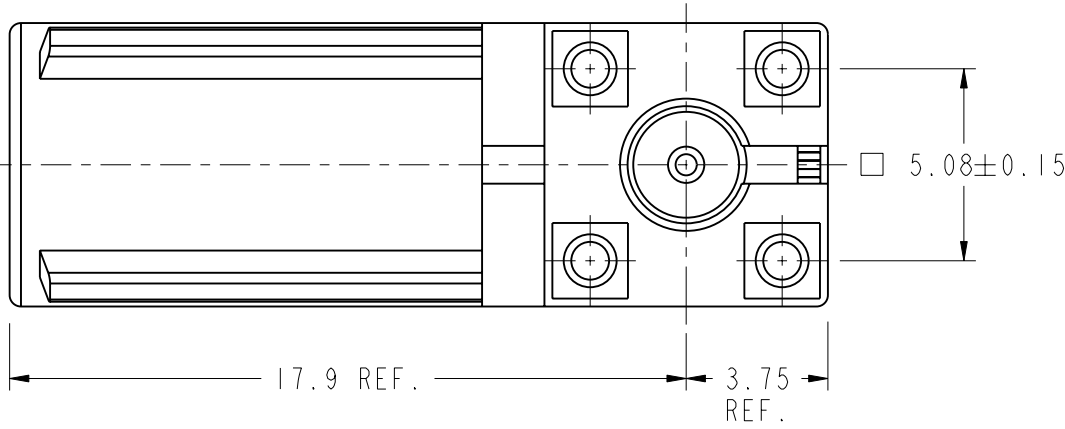
REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	11-Mar-09	----	EDWARD
B	ADD TOL $\pm 0.05$ TO $\varnothing 1.2$ & $1.7$	3/12/10	48001	CPM
C	SEE SHEET 1 /RD-DM16052001P/	20-May-16	01201	EW

FAKRA PLUG INTERFACE  
PER DIN 72594-1  
("K" KEY CODE SHOWN)



PCB MOUNTING HOLE



**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
<0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES  
 $\pm 0.05\text{mm}$   $\pm 0.1\text{mm}$   $\pm 0.2\text{mm}$   $\pm 0.3\text{mm}$   $\pm 1^\circ$

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MATERIAL

-

DRAWN  
EDWARD

DATE  
17-Mar-09

ENGINEER  
SCOTT

DATE  
17-Mar-09

REFERENCE  
EAR:3158.3 AND  
CONFIGURATION LEVEL: In Work

APPROVED  
S.HSIEH  
CAD FILE

DATE  
01-Jun-16

FINISH

TITLE  
FAKRA SMB R/A  
PCB MOUNT PLUG

SCALE: 5.0:1.0 SHEET 2 OF 2  
DWG SIZE B REV C

Amphenol RF

www.amphenolrf.com

DRAWING NO. FAI-NXRP-PCBT10

ITEM NO. FAI-NXRP-PCBT10

PART NO. FAI-NXRP-PCBT10

# Mouser Electronics

Authorized Distributor

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