

NOTES:

1. MATERIAL AND FINISHES:

- BODY - ZINC ALLOY; MATTE TIN. PL.
- CENTER CONTACT - BRASS; INTERFACE: GOLD PL.
TERMINAL: MATTE TIN. PL.
- OUTER CONTACT - BRASS; MATTE TIN. PL.
- BODY INSERT - ZINC ALLOY; MATTE TIN. PL.
- INSULATOR - LCP; COLOR: NATURAL
- HOUSING - PA4T; COLOR & KEY CODE PER TABLE

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM NOMIAL
- B. FREQUENCY RANGE: DC-9 GHz
- C. RETURN LOSS: 20dB MIN. @ 0.08 GHz to 6 GHz ;
15dB MIN. @ 6 GHz to 9 GHz
- D. D.W.V: 750 VRMS, MIN
- E. CENTER CONTACT RESISTANCE: $\leq 15m\Omega$
- F. OUT CONDUCTOR RESISTANCE: $\leq 7.5m\Omega$

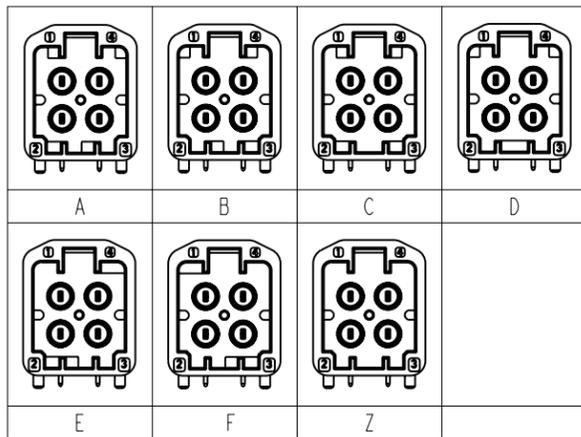
3. MECHANICAL:

- A. MATING CYCLES ≥ 10
- B. ENGAGEMENT FORCE $\leq 75N$
- C. DISENGAGEMENT FORCE $\geq 5N$
- D. RETENTION FORCE LATCH $\geq 110N$
- E. CODING EFFICIENCY $\geq 130N$

4. ENVIRONMENTAL DATA:

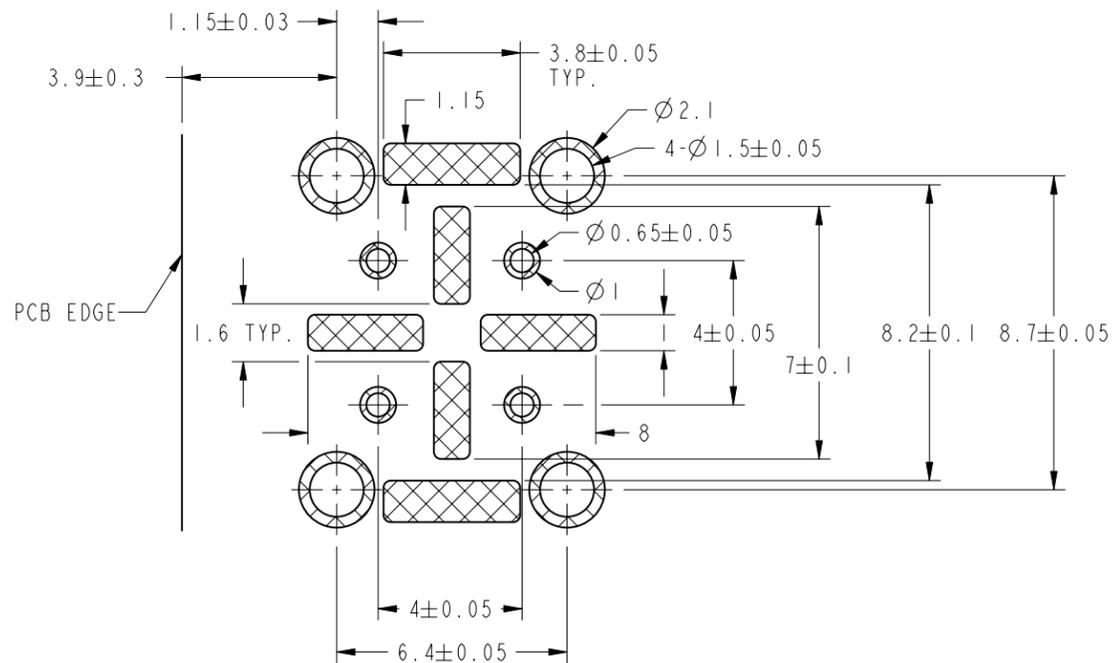
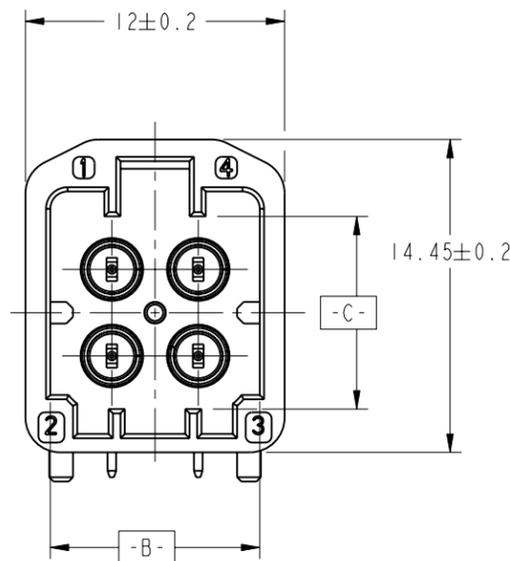
- A. TEMPERATURE RANGE: -40°C TO +105°C
- B. THERMAL SHOCK: (VW 75174)
- C. TEMPERATURE AND HUMIDITY: (VW 75174)
- D. VIBRATION AND MECHANICAL SHOCK: (VW 75174)
- E. RoHS: COMPLIANT

5. PENDING USCAR-49 CERTIFICATION



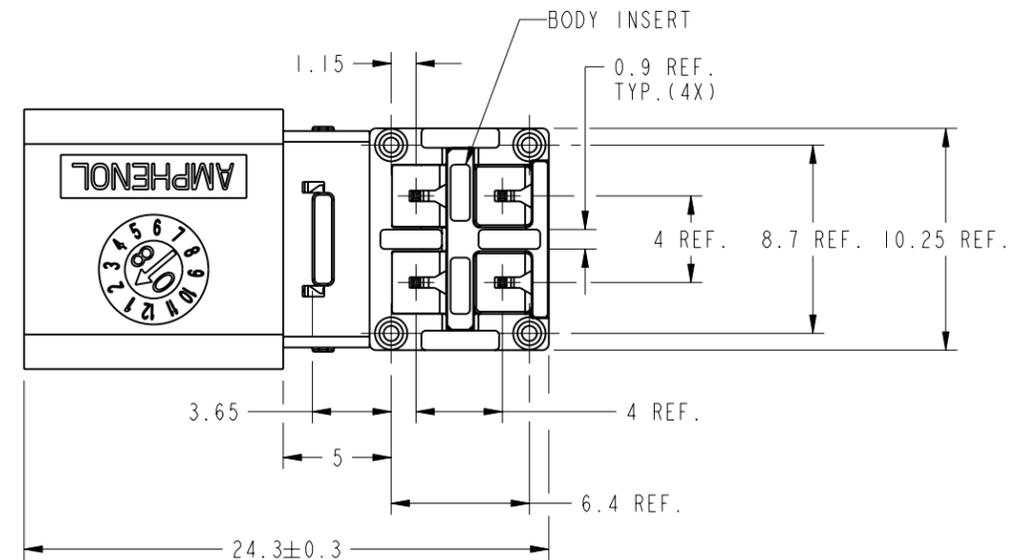
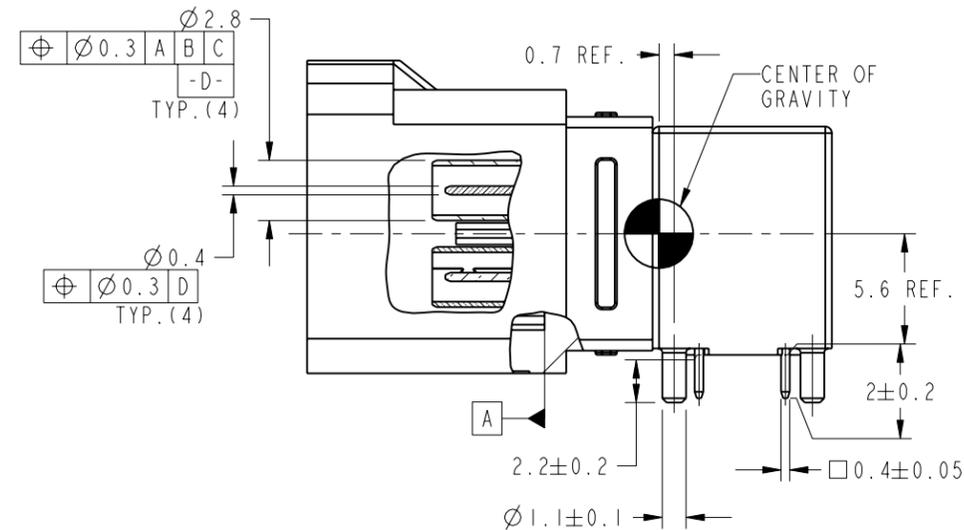
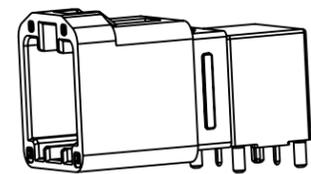
CODING	DRAWING NO.	COLOR	RAL NO.
A	FMB4NARP-PCB-1	JET BLACK	9005
B	FMB4NBRP-PCB-1	CREAM	9001
C	FMB4NCRP-PCB-1	SIGNAL BLUE	5005
D	FMB4NDRP-PCB-1	CLARET VIOLET	4004
E	FMB4NERP-PCB-1	LEAF GREEN	6002
F	FMB4NFRP-PCB-1	NUT BROWN	8011
Z	FMB4NZRP-PCB-1	WATER BLUE	5021

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



RECOMMENDED PCB LAYOUT

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	09-Jan-23		SCOTT



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 Joshua Sproutle ENGR.2 Damian DATE 15-Nov-22

TITLE
TYPE B MINI FK
PCB MOUNT PLUG
SHEET NO. 2 OF 2 SCALE: 3.0:1.0

TITLE
Amphenol RF
DRAWING NO. FMB4NXP-PCB-1
ITEM NO. FMB4NXP-PCB-1
PART NO. FMB4NXP-PCB-1
REV
A

THIRD ANGLE PROJ.

REFERENCE

EAR# 8464