

NOTES:  
 1. MATERIALS AND FINISHES (PLATING THICKNESS IN MICRO-INCHES):  
 BODY (PCB) - ZINC ALLOY, MATTE TIN PLATED  
 BODY (INTERFACE) - BRASS, MATTE TIN PLATED  
 CONTACT PIN - COPPER NICKEL ALLOY, GOLD PLATED AT MATING AREA, MATTE TIN PLATED AT SOLDER AREA  
 INSULATOR - LCP, NATURAL  
 HOUSING - PA4T, SEE TABLE BELOW FOR KEY CODES & COLORS

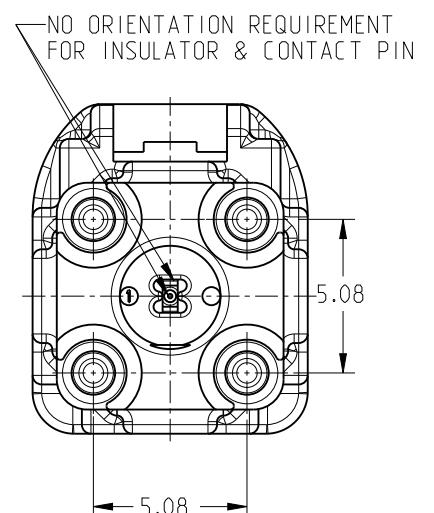
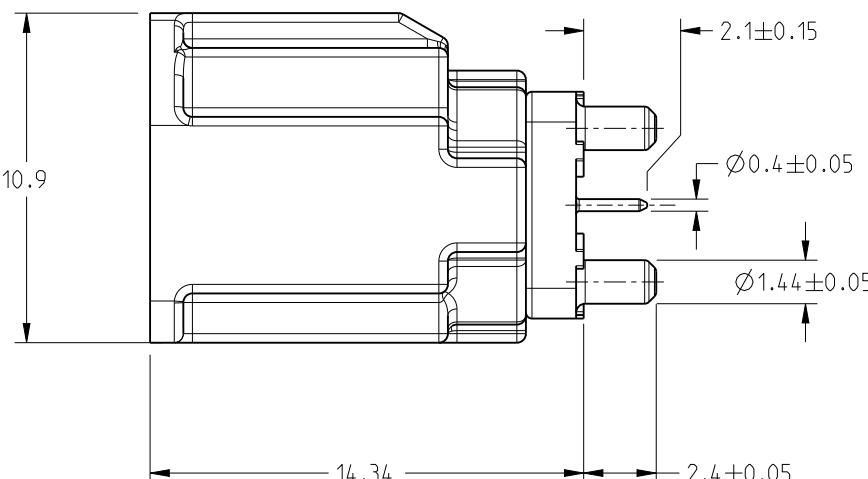
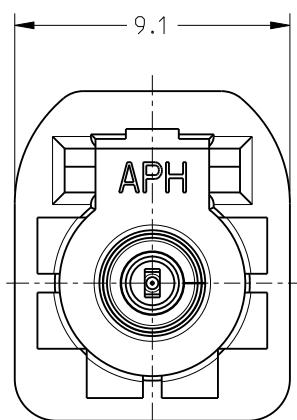
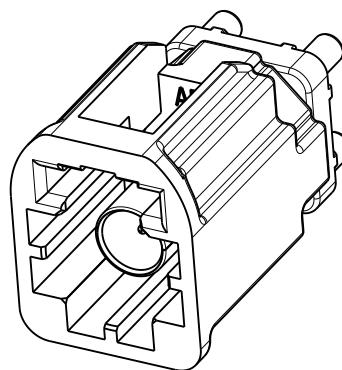
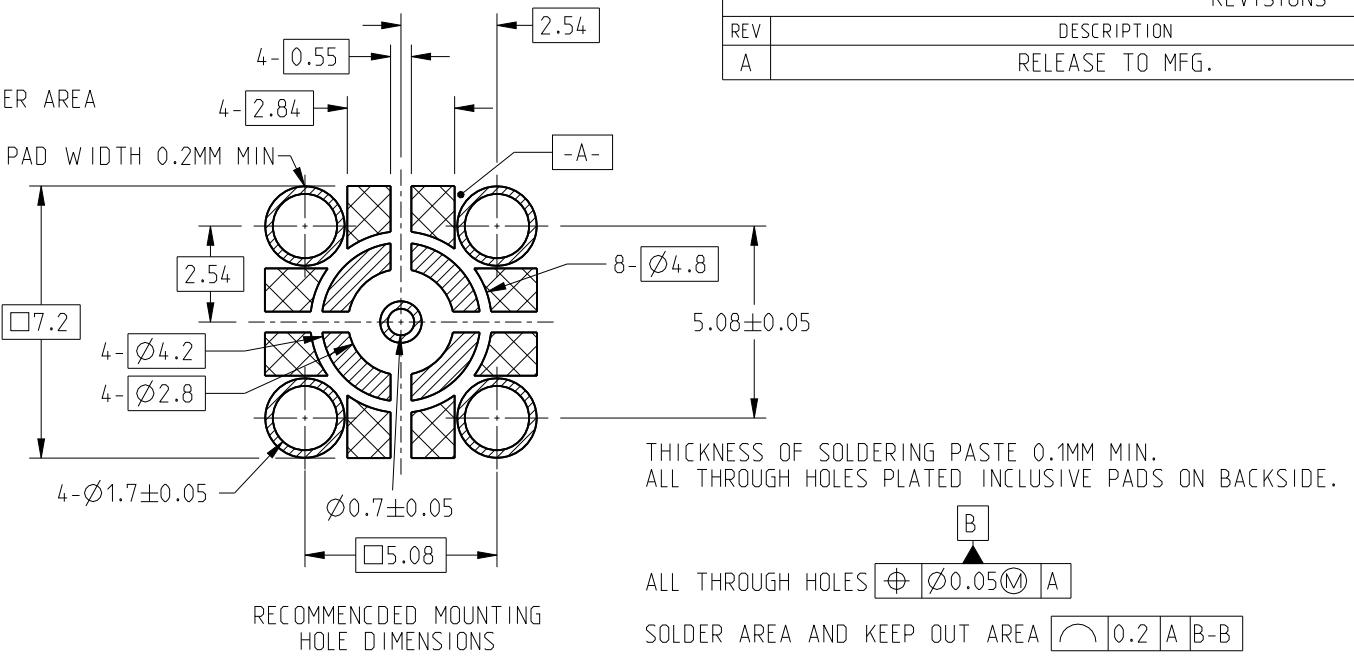
2. ELECTRICAL:  
 A. IMPEDANCE = 50 OHM, NOMINAL  
 B. FREQUENCY RANGE = DC - 9 GHz  
 C. VSWR (RETURN LOSS) = 1.12 (-25dB) MAX. @ DC TO 3 GHz  
 1.22 (-20dB) MAX. @ 3 GHz TO 6 GHz  
 1.67 (-12dB) MAX. @ 6 GHz TO 9 GHz  
 D. D.W.V. = 800 VRMS, MIN.

3. MECHANICAL:  
 A. DURABILITY = 25 CYCLES MIN.  
 B. TEMPERATURE RANGE = -40° C TO +105° C  
 C. LATCH RETENTION = 110N MIN.

4. PACKAGING:  
 A. PACKAGE IN TAPE AND REEL  
 B. REEL TO BE MARKED:  
 NORTH AMERICA: "AMPHENOL, FMI-NXSP-PCB-2, AND DATE CODE"

## REVISIONS

REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	10-Dec-25	17664	RC



CODING	DRAWING NO.	COLOR	RAL NO.
A	FMI-NASP-PCB-2	JET BLACK	9005
B	FMI-NBSP-PCB-2	PURE WHITE	9010
C	FMI-NCSP-PCB-2	LIGHT BLUE	5012
D	FMI-NDSP-PCB-2	CLARET VIOLET	4004
E	FMI-NESP-PCB-2	MAY GREEN	6017
F	FMI-NFSP-PCB-2	NUT BROWN	8011
G	FMI-NGSP-PCB-2	PLATNUM GREY	7036
H	FMI-NHSP-PCB-2	LIGHT PINK	3015
J	FMI-NJSP-PCB-2	BEIGE	1001
K	FMI-NKSP-PCB-2	CURRY	1027
N	FMI-NNSP-PCB-2	PASTEL GREEN	6019
Z	FMI-NZSP-PCB-2	WATER BLUE	5021

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

**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 [ $>1.181 - 4.725 = ±0.012$ ]

## MATERIAL

## TITLE

ANGLES = ±1°

ENGR.1

ENGR.2

DATE

TYPE A MINI-FAKRA

SINGLE STR PCB

Ivan.Q

Wenhui Zhong

10-Dec-25

SHEET NO. 2 OF 2

SCALE: 3.0:1.0

Amphenol RF

DRAWING NO. FM1-NXSP-PCB-2

ITEM NO. FM1-NXSP-PCB-2

PART NO. FM1-NXSP-PCB-2

REV

B

A