

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 MATTE
 INSULATOR - LCP, NATURAL
 HOUSING - PA4T, SEE TABLE BELOW FOR KEY CODES & CO

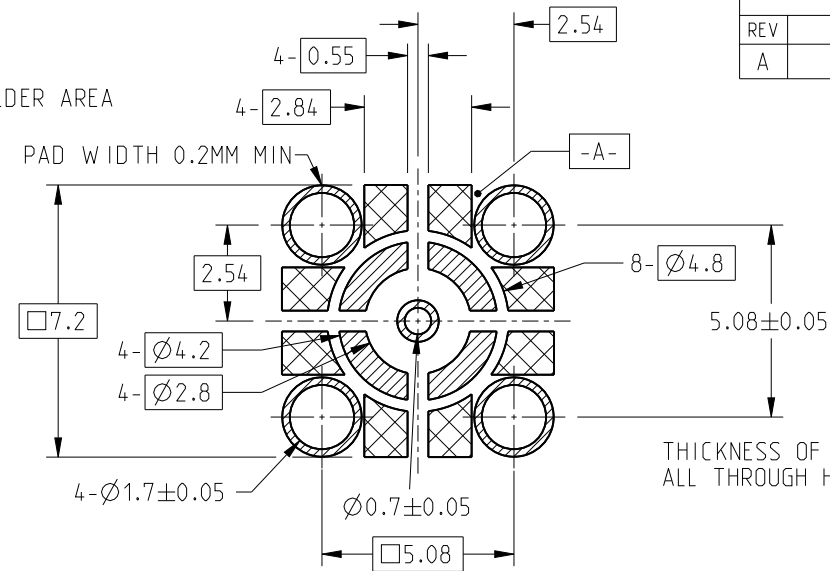
2. ELECTRICAL:

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"



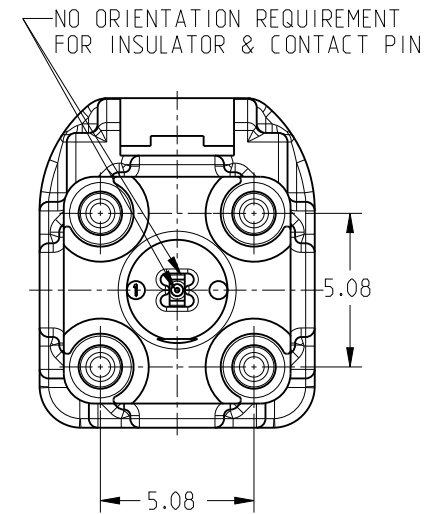
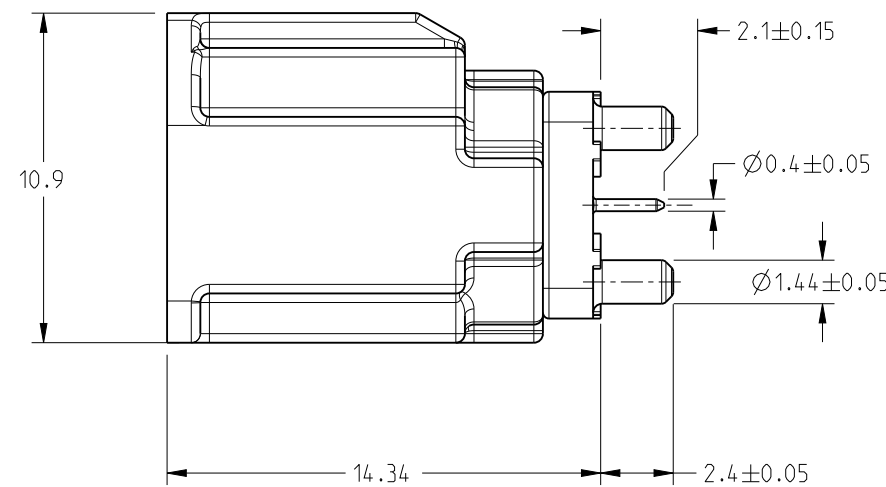
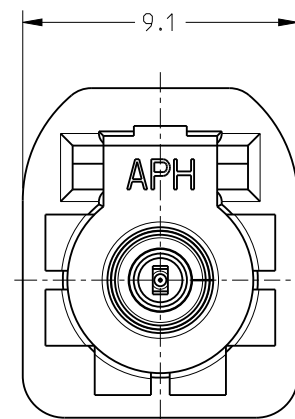
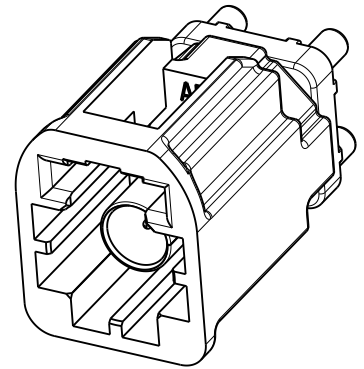
THICKNESS OF SOLDERING PASTE 0.1MM MIN.
ALL THROUGH HOLES PLATED INCLUSIVE PADS ON BACKSIDE.

ALL THROUGH HOLES $\begin{array}{|c|c|c|c|} \hline \oplus & \varnothing 0.05 & \textcircled{M} & A \\ \hline \end{array}$

SOLDER AREA AND KEEP OUT AREA  0.2 A B-B

 SOLDER AREA (9X)

 KEEP OUT AREA, FREE OF SOLDER,
NO ROUTING UNDERNEATH (8X)



<u>CODING</u>	<u>DRAWING NO.</u>	<u>COLOR</u>	<u>RAL NO.</u>
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

TYPE A MINI-FAKRA
SINGLE STR PCB

SIZE

DRAWING NO. FM1-NXSP-PRB-2

REV

ITEM NO. FM1-NXSP-PCB-2

PART NO. FM1-NXSP-PCB-2

THIRD ANGLE PROJ.

REFERENCE

EAR#	13306
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 ANGLES = $\pm 1^\circ$

ENGR.1
Ivan.Q

ENGR.2
Wenhui Zhong

DATE 10-Dec-25

SHEET NO. 2 OF 2

SCALE: 3.0:1.0

B

Amphenol RF

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