

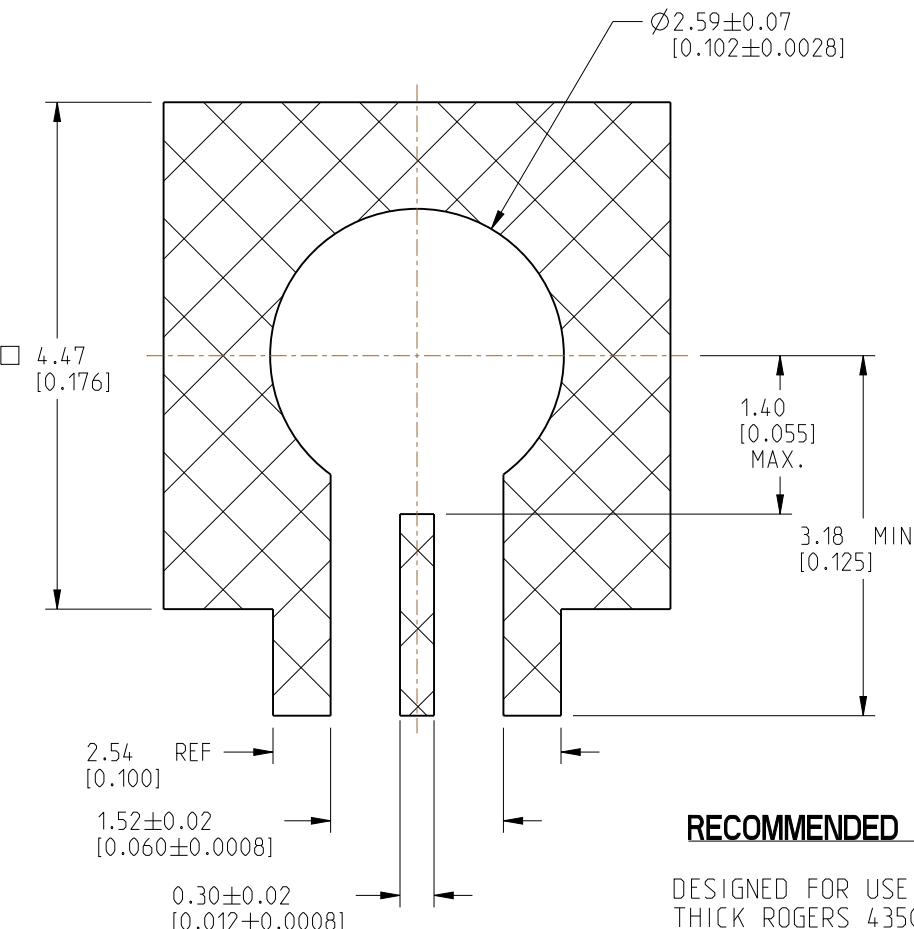
## NOTES:

1. MATERIALS AND FINISHES:  
BODY AND CONTACT - BeCu, GOLD PLATING  
INSULATOR - LCP E130i, NATURAL  
CAP - PTFE, NATURAL

2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM  
B. FREQUENCY RANGE: DC - 26.5 GHz  
C. VSWR (CONNECTOR ONLY): 1.15 MAX. @ DC - 10 GHz  
1.25 MAX. @ 10 - 26.5 GHz  
RESULTS WILL VARY BASED ON BOARD CONFIGURATION.  
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.  
E. INSULATION RESISTANCE: 1000 MΩ MIN.

3. MECHANICAL:  
A. DURABILITY: 500 CYCLES MIN.  
B. TEMPERATURE RANGE: -65°C TO +165°C

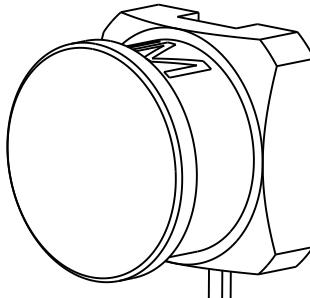
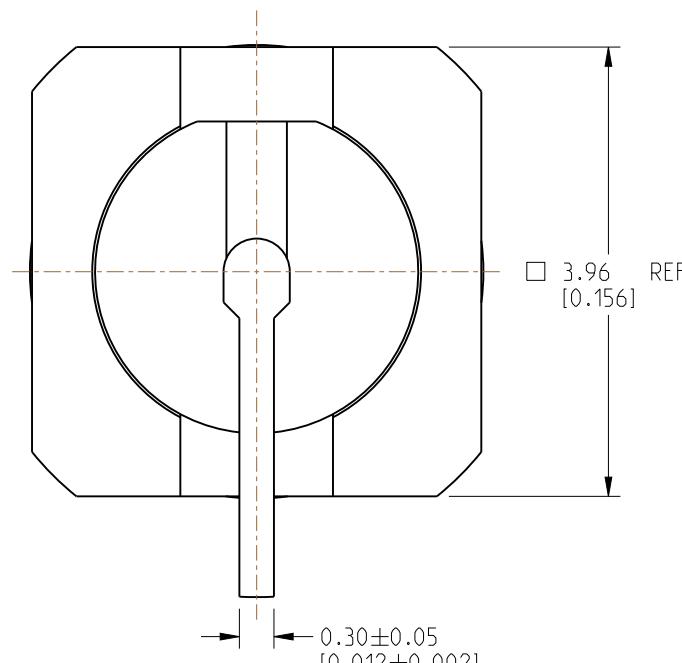
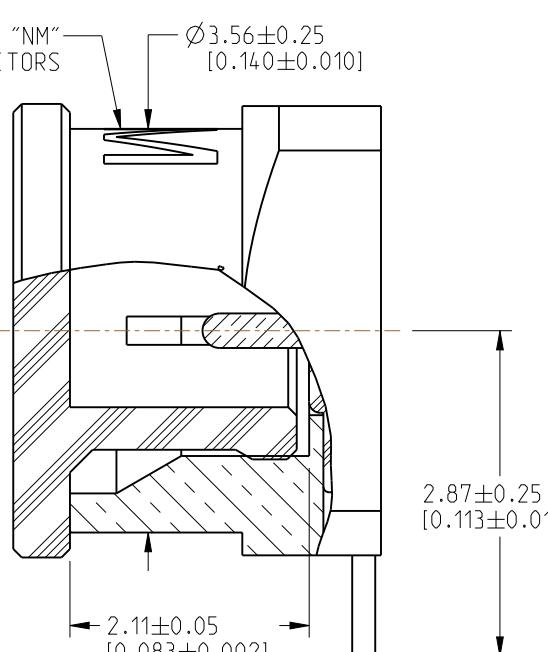
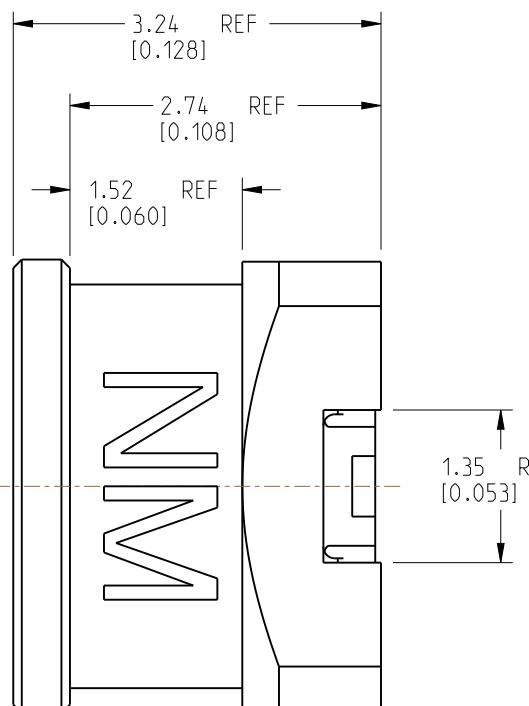
4. PACKAGING:  
A. QUANTITY: 50 PIECES TRAY  
B. MARKING: TRAY TO BE MARKED  
"AMPHENOL RF, 925-NM197J-51P AND DATE CODE"



## RECOMMENDED PCB LAYOUT

DESIGNED FOR USE WITH 0.0100"  
THICK ROGERS 4350 PCB MATERIAL

THESE DIMENSIONS MAY VARY  
DEPENDING ON PCB MATERIAL USED



SCALE 8.000

## REVISIONS

REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	10-JUL-24	17097	SH

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 [ $<0.020 = \pm 0.002$ ]  
0.5 - 6mm = ± 0.1mm [ $>0.020 - 0.236 = \pm 0.004$ ]  
>6.00 - 30mm = ± 0.2mm [ $>0.236 - 1.181 = \pm 0.008$ ]  
>30.00 - 120mm = ± 0.3mm [ $>1.181 - 4.725 = \pm 0.012$ ]

MATERIAL  
SEE NOTES

TITLE  
SMPM STR JACK SMOOTH  
BORE SURFACE MOUNT  
NON-MAGNETIC

Amphenol RF

SIZE	DRAWING NO.	ITEM NO.	PART NO.	REV
				A
B	925-NM197J-51P	925-NM197J-51P	925-NM197J-51P	

THIRD ANGLE PROJ.

REFERENCE  
925-197J-51P

EAR#  
9158

ANGLES = ±1°

ENGR.1  
E. HILL

ENGR.2  
M.ZHANG

DATE  
11-MAY-24

SHEET NO. 2 OF 2

SCALE: 15.0:1.0