

NOTES:

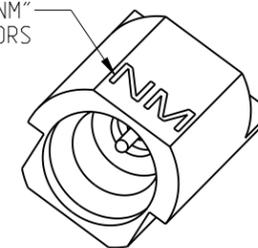
- 1. MATERIALS AND FINISHES:
BODY AND CONTACT - BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL
- 2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 40 GHz
C. VSWR (RETURN LOSS): 1.15 MAX. (-23 dB MIN.) @ DC - 10 GHz
1.25 MAX. (-19 dB MIN.) @ 10 - 26.5 GHz
1.35 MAX. (-17 dB MIN.) @ 26.5 - 40 GHz
CONNECTOR ONLY, PERFORMANCE WILL VARY
BASED ON BOARD LAYOUT
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
E. INSULATOR RESISTANCE: 5000 MΩ MIN.
F. CONTACT RESISTANCE:
CENTER CONTACT: 6 mΩ MAX.

- 3. MECHANICAL:
A. ENGAGEMENT FORCE: 2.5 LBS (11.12 N) MAX.
B. DISENGAGEMENT FORCE: 1.5 LBS (6.67 N) MIN.
C. CONTACT RETENTION: 1.5 LBS (6.67 N) MIN. AXIAL FORCE.
D. DURABILITY: 100 CYCLES MIN.
E. TEMPERATURE RANGE: -65°C TO +165°C

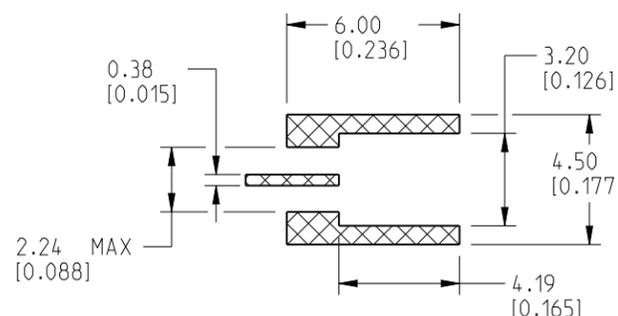
- 4. PACKAGING:
A. QUANTITY: 50 PIECES/TRAY
B. MARKING: TRAY TO BE MARKED
"AMPHENOL RF, 925-NM169J-51P AND DATE CODE"

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	23-DEC-25	17700	KRK

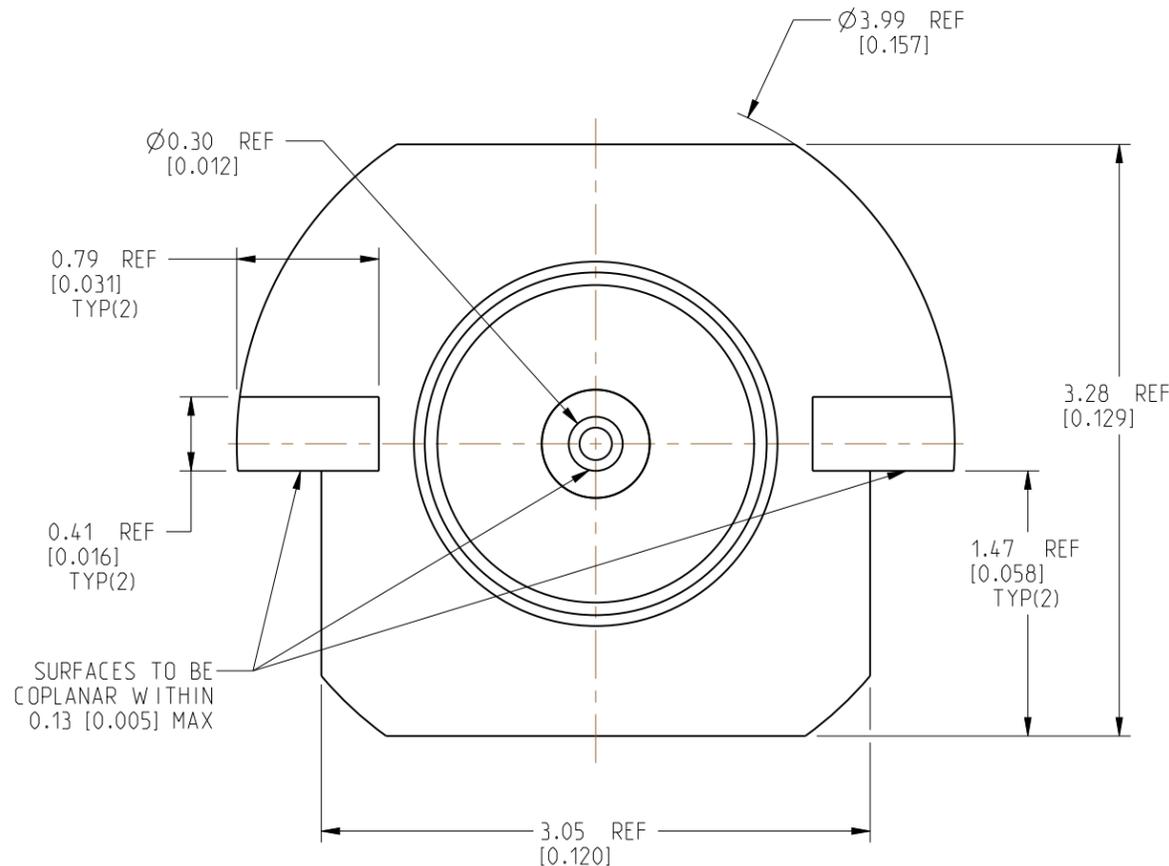
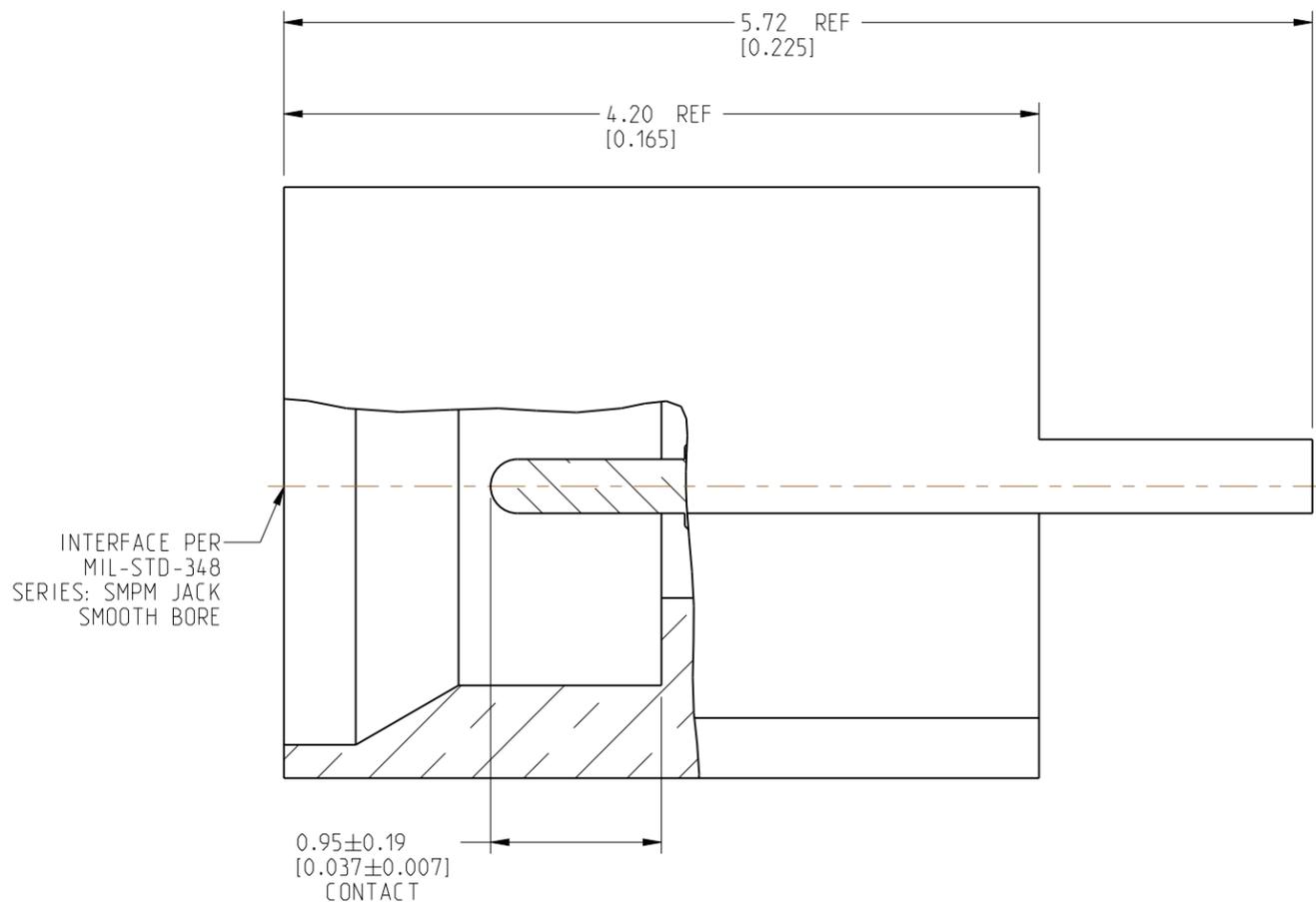
THIS SURFACE MARKED "NM"
TO SIGNIFY NON-MAGNETIC CONNECTORS



SCALE 6.000



RECOMMENDED PCB LAYOUT



CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

NOTICE: These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:
 <0.5mm = ±0.05mm [$\pm 0.020 = \pm 0.002$]
 0.5 - 6mm = ±0.1mm [$\pm 0.020 - 0.236 = \pm 0.004$]
 >6.00 - 30mm = ±0.2mm [$\pm 0.236 - 1.181 = \pm 0.008$]
 >30.00 - 120mm = ±0.3mm [$\pm 1.181 - 4.725 = \pm 0.012$]

MATERIAL
SEE NOTES

TITLE
SMPM STR JACK SMOOTH
BORE EDGE MOUNT
NON-MAGNETIC

Amphenol RF

SIZE B	DRAWING NO. 925-NM169J-51P	REV A
	ITEM NO. 925-NM169J-51P	
	PART NO. 925-NM169J-51P	

THIRD ANGLE PROJ. REFERENCE 925-169J-51P EAR# 9158

ENGR.1 E.HILL/T.LIPKIN ENGR.2 JACK LIANG DATE 29-OCT-19

SHEET NO. 2 OF 2 SCALE: 25.0:1.0