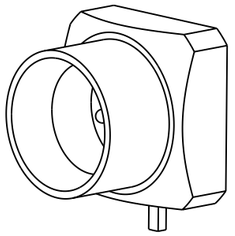
NOTES:

1. MATERIALS AND FINISHES:
   BODY AND CONTACT - BRASS, GOLD PLATING (0.00030" [0.8 um] THICK)
   INSULATOR - LCP E130i, NATURAL

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 18 GHz
   C. VSWR (RETURN LOSS): 1.10 MAX. (-26.4 dB MIN.) @ DC - 6 GHz
      1.15 MAX. (-23.1 dB MIN.) @ 6 - 10 GHz
      1.30 MAX. (-17.7 dB MIN.) @ 10 - 18 GHz
      CONNECTOR ONLY, PERFORMANCE WILL VARY
      BASED ON BOARD LAYOUT
   D. DIELECTRIC WITHSTANDING VOLTAGE: 335 VRMS, MIN.

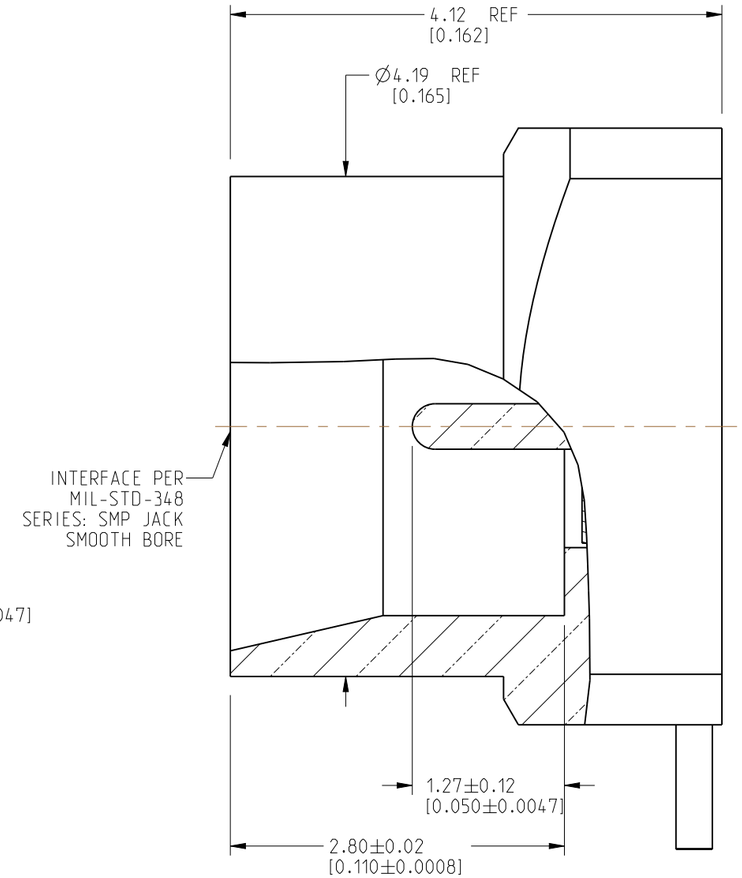
3. MECHANICAL:
   A. DURABILITY: 1000 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C
   C. ENGAGEMENT FORCE: 2 LBS (9 N) MAX.
   D. DISENGAGEMENT FORCE: 0.5 LBS (2.2 N) MIN.
   E. INNER CONTACT RETENTION FORCE: 1.5 LBS (7 N) MIN.

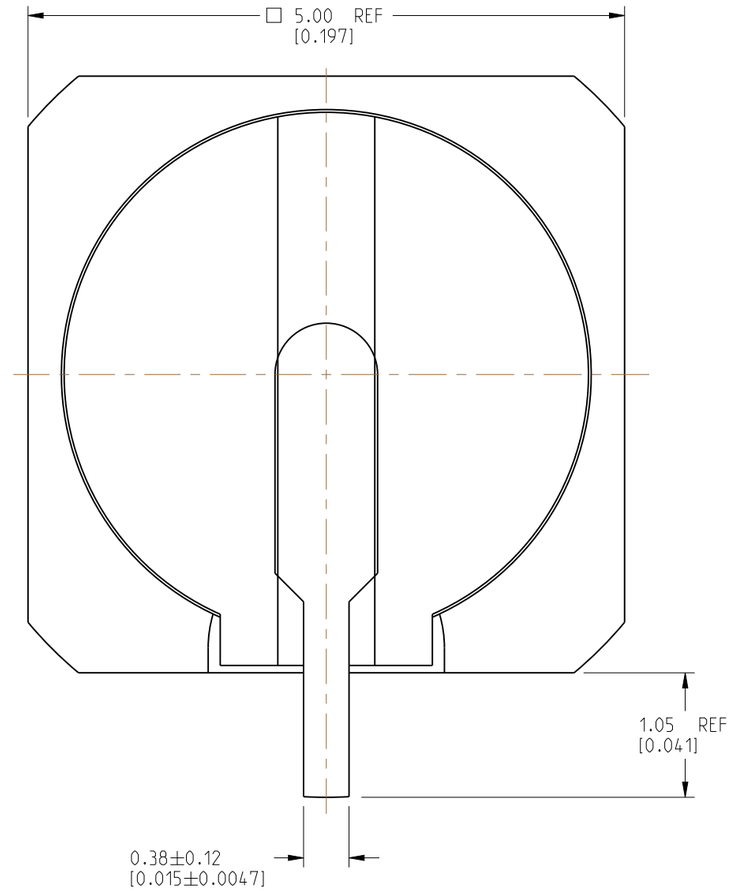
4. PACKAGING:
   A. QUANTITY: TRAY PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, SMP-MSSB-PCS AND DATE CODE"

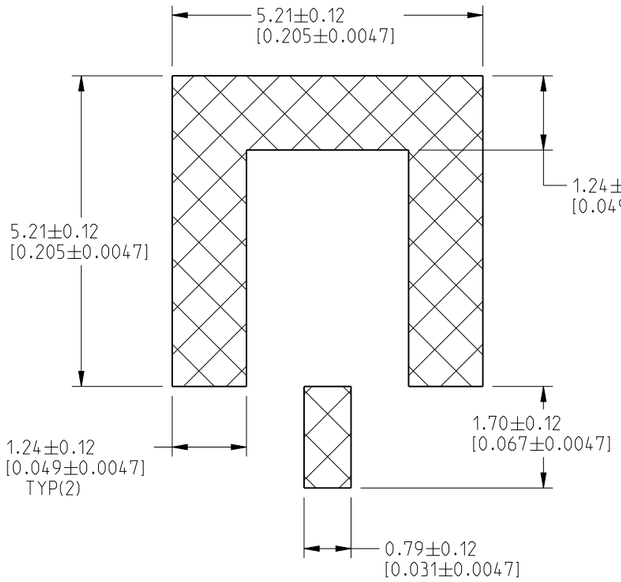


SCALE 6.000

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	03-FEB-05	45426	MAH
B	940-10020 WAS NS00AYT02A\RD-DM07062901C	07-04-07'	-----	CS
C	SYNCH THE DRAWING WITH DANBURY\RD-DM11031401R3	29-Mar-11	48488	RM
D	1.27±0.12 WAS 1.30±0.12 \RD-DM13091001J8	24-SEP-13	49741	MD
E	INSULATOR MATERIAL LCP E130i WAS LCP C150, IMPERIAL UNITS ADDED, DRAWING AND NOTES UPDATED	26-DEC-23	16864	SH







RECOMMENDED PCB LAYOUT DIMENSIONS

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE: GEN# ASSYM7_SMP & 615X-1782 PREVIOUSLY SMP-MSSB-PCS-1

EAR#

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: SEE NOTES

ENGR.1	ENGR.2	DATE
H.PARIKH	M.ZHANG	04-Oct-23

TITLE: SMP STR JACK, PCB RECEPTACLE, SMOOTH BORE, SURFACE MOUNT

SHEET NO. 2 OF 2 | SCALE: 20.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	SMP-MSSB-PCS	E
	ITEM NO. SMP-MSSB-PCS	
	PART NO. SMP-MSSB-PCS	