

NOTES:

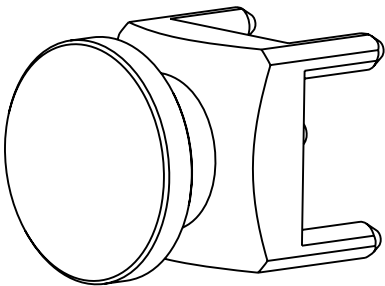
1. MATERIAL AND FINISH:
BODY & CONTACT - BRASS, GOLD PLATING
INSULATOR - PEEK, NATURAL

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 6 GHz
C. VSWR(RETURN LOSS): 1.10 MAX. (-26.4 dB MIN.) @ DC - 2 GHz
1.22 MAX. (-20.0 dB MIN.) @ 2 - 6 GHz
CONNECTOR ONLY, PERFORMANCE WILL VARY
BASED ON BOARD LAYOUT
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

3. MECHANICAL:
A. DURABILTIY: 500 CYCLES MIN.
B. TEMERATURE RANGE: -65°C TO +165°C
C. ENGAGEMENT FORCE: 10 LBS (45 N) MAX.
D. DISENGAGEMENT FORCE: 2 LBS (9 N) MIN.
E. INNER CONTACT RETENTION FORCE: 1.5 LBS (7 N) MIN.

4. PACKAGING:
A. QUANTITY: TAPE & REEL PACKAGING, 600 PCS/REEL
B. MARKING: REEL TO BE MARKED:
"AMPHENOL RF, SMP-MSLD-PCT16T, DATE CODE"

THIRD ANGLE PROJ.



SCALE 5.000

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	07-Jun-18	08221	BMG

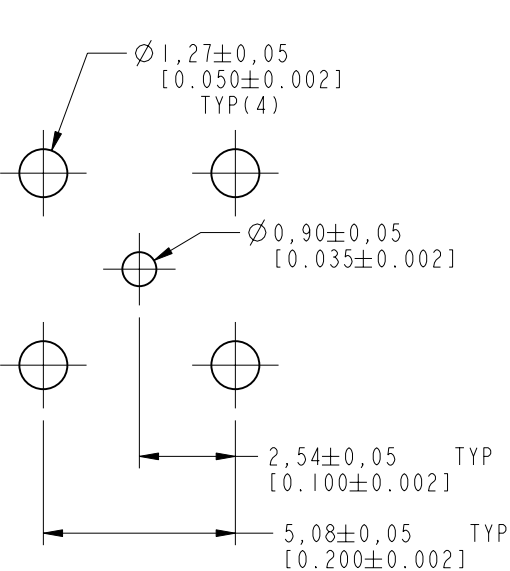


Diagram showing recommended PCB hole dimensions for the connector. The dimensions are as follows:

- Hole diameter: $\varnothing 1.27 \pm 0.05$ [0.050 ± 0.002] TYP(4)
- Hole diameter: $\varnothing 0.90 \pm 0.05$ [0.035 ± 0.002]
- Distance between hole centers (horizontal): 2.54 ± 0.05 TYP [0.100 ± 0.002]
- Distance between hole centers (vertical): 5.08 ± 0.05 TYP [0.200 ± 0.002]

RECOMMENDED PCB
HOLE DIMENSIONS

INTERFACE PER
MIL-STD-348
SERIES: SMP JACK
LIMITED DETENT

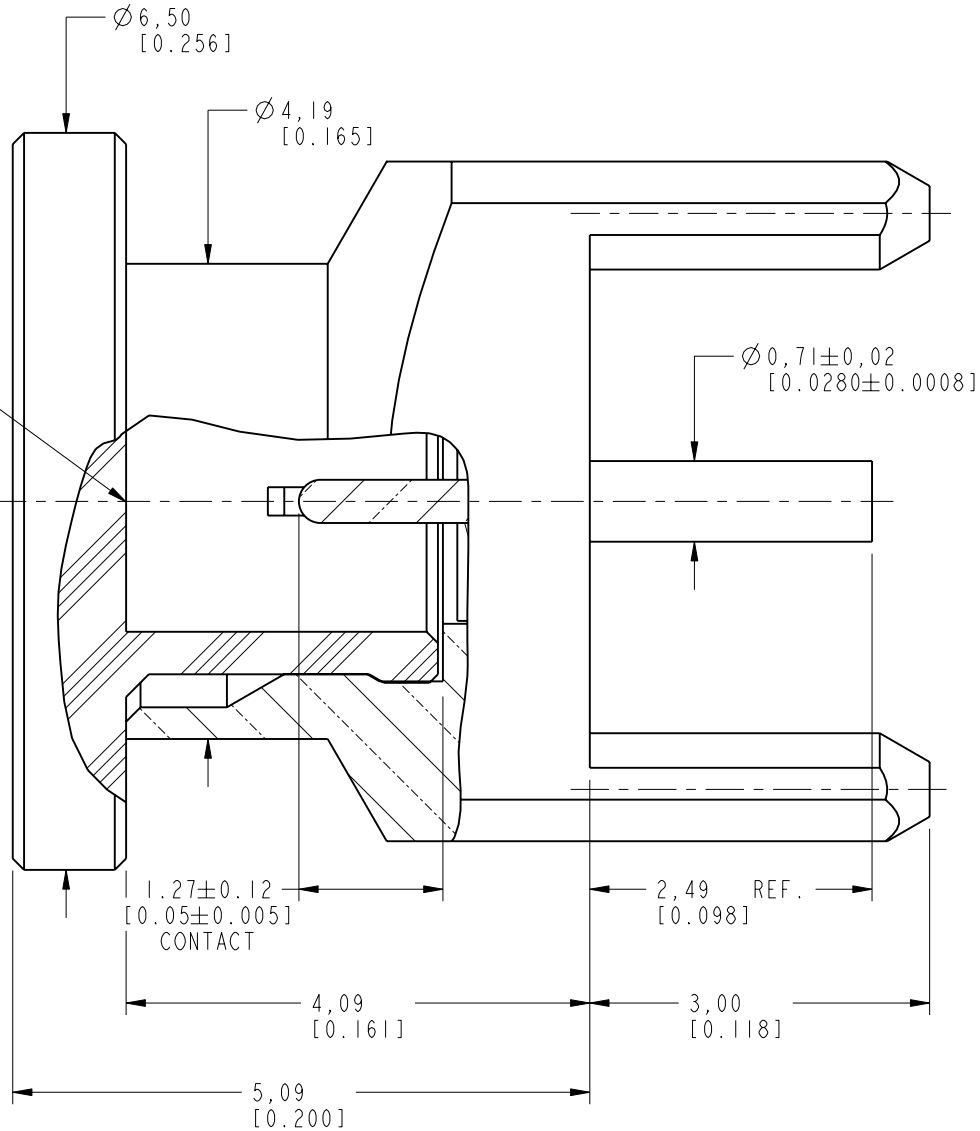


Diagram showing the cross-sectional view of the connector. The dimensions are as follows:

- Outer diameter: $\varnothing 6.50$ [0.256]
- Inner diameter: $\varnothing 4.19$ [0.165]
- Inner diameter: $\varnothing 0.71 \pm 0.02$ [0.0280 ± 0.0008]
- Distance from interface to contact: 1.27 ± 0.12 [0.05 ± 0.005] CONTACT
- Distance from interface to contact: 2.49 REF. [0.098]
- Distance from contact to end: 4.09 [0.161]
- Distance from contact to end: 3.00 [0.118]
- Distance from contact to end: 5.09 [0.200]

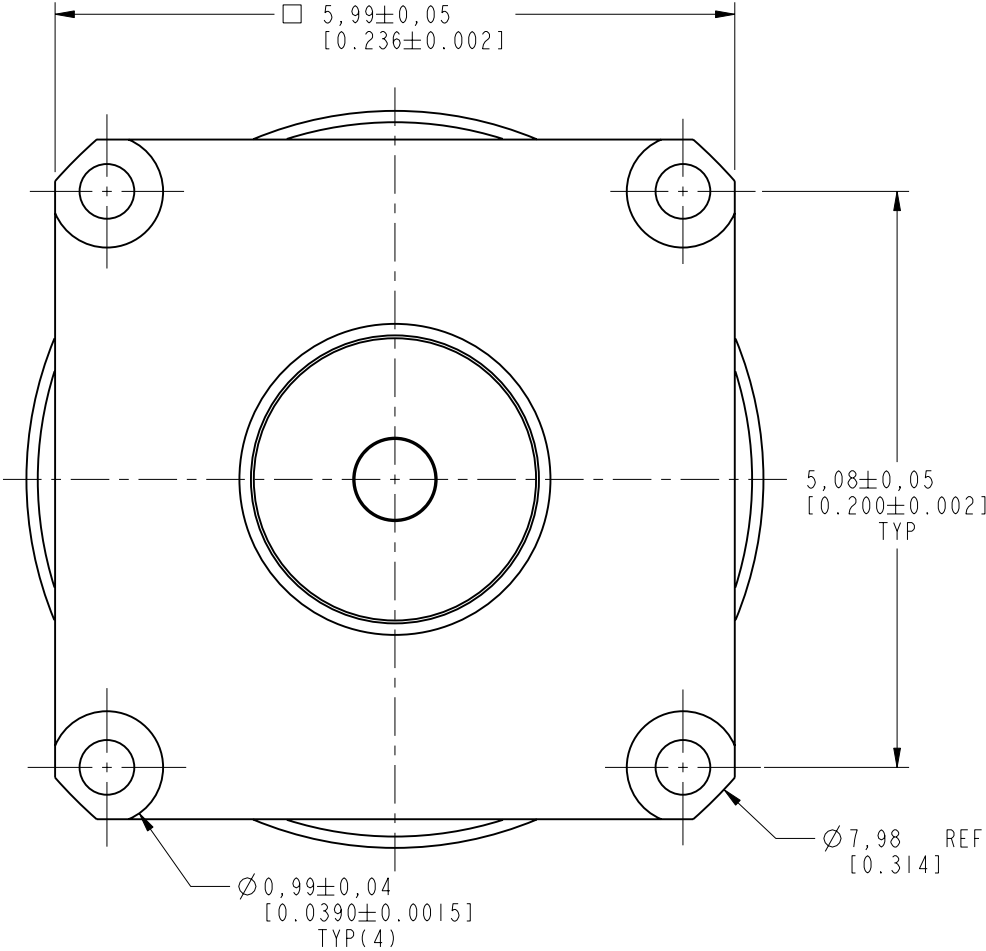
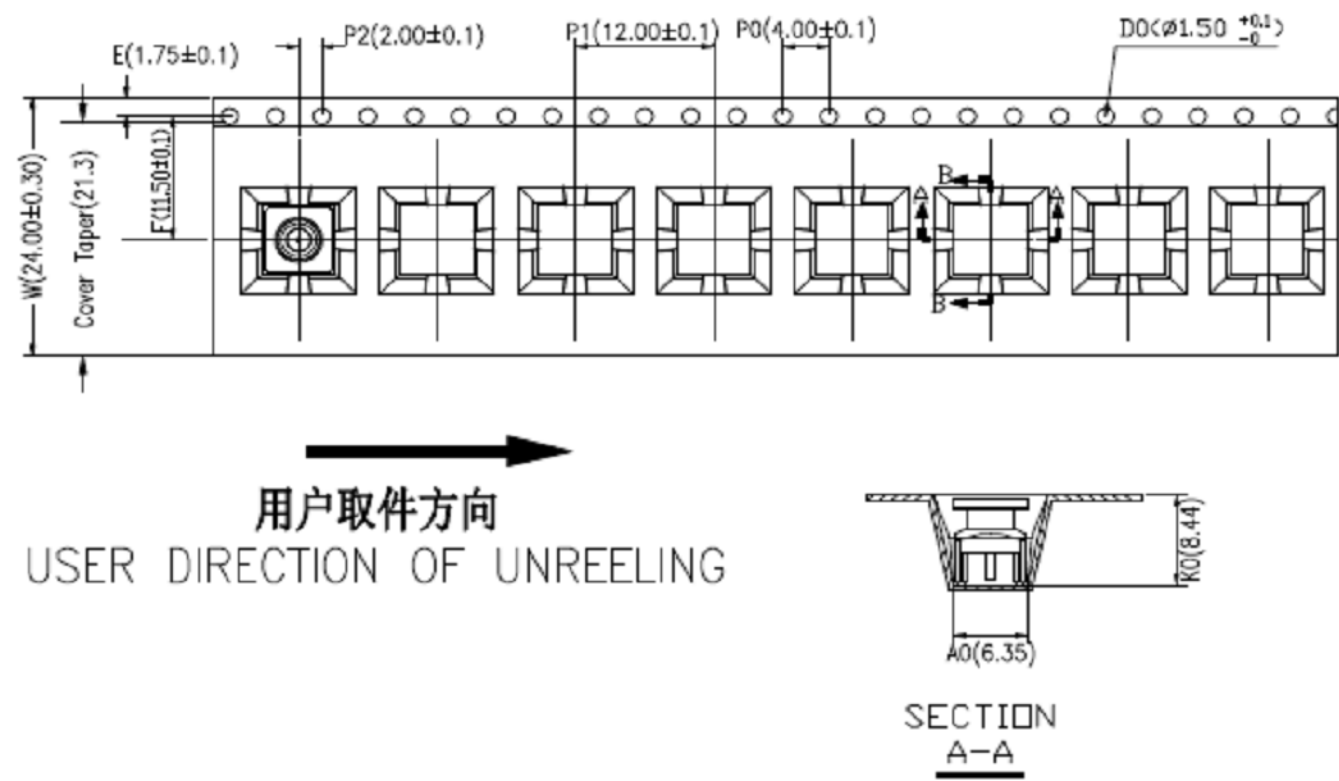
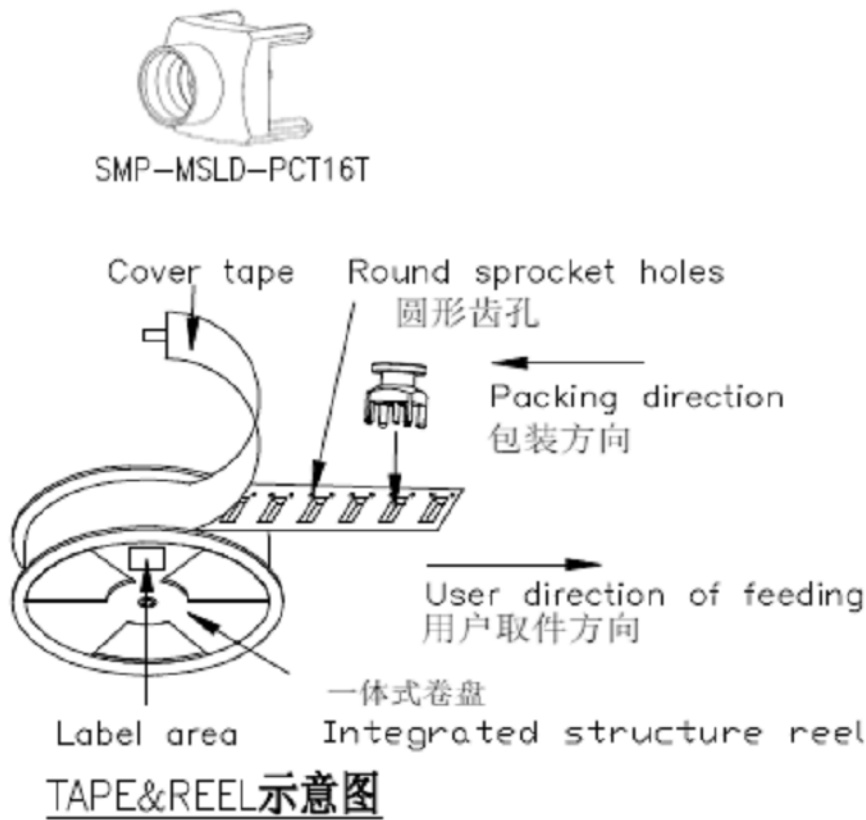


Diagram showing the top view of the connector. The dimensions are as follows:

- Distance between mounting holes (horizontal): 5.99 ± 0.05 [0.236 ± 0.002]
- Distance between mounting holes (vertical): 5.08 ± 0.05 [0.200 ± 0.002] TYP
- Distance between mounting holes (diagonal): $\varnothing 7.98$ REF [0.314]
- Distance between mounting holes (diagonal): $\varnothing 0.99 \pm 0.04$ [0.0390 ± 0.0015] TYP(4)

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

<div>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ± 0.1mm ± 0.2mm ± 0.3mm ± 1°</div> <div>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.</div>	MATERIAL -	DRAWN S.DUAN	DATE 07-Jun-18	TITLE SMP STF JACK PCB RECEPTACLE LIMITED DETENT	Amphenol RF www.amphenolrf.com	
					DRAWING NO. SMP-MSLD-PCT16T	
					ITEM NO. SMP-MSLD-PCT16T	
	REFERENCE EAR # 8016 AND SMP-MSLD-PCT	APPROVED S.HSIEH	DATE 20-Jun-18	SCALE: 15.0:1.0	SHEET 2 OF 3	PART NO. SMP-MSLD-PCT16T
	CONFIGURATION LEVEL: In Work	CAD FILE		DWG SIZE B	REV A	
	FINISH					



- NOTES:
- 10 sprocket holes pitch cumulative tolerance ± 0.20 mm.
 - Carrier camber not to exceed 1 mm in 250 mm.
 - A0 and B0 measured on a plane 0.3 mm above the bottom of the pocket.
 - K0 measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
 - All dimensions meet EIA-481-D requirements.
 - Material: Black PS (RoHS Compliant)
 - Thickness: 0.50 ± 0.05 mm.
 - Packing length per 13" reel: 7.968 Meters.
 - Component loader per 13" reel: 600 pcs.

注:未注公差為:±0.10

NOTE: ALL TOLERANCES ARE: ± 0.10 , EXCEPT WHERE NOTED

ITEM	W	A ₀	A ₁	B ₀	B ₁	K ₀	K ₁	P	F	E	D ₀	P ₀	P ₂	T
DIM	24.00±0.30	6.35±0.10		6.35±0.10		8.44 ±0.10		12.00±0.10	11.50±0.10	1.75±0.10	1.50 ^{+0.10} _{0.00}	4.00±0.10	2.00±0.10	0.50±0.05

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	-	S. DUAN	07-Jun-18					
		ENGINEER	DATE					
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		EAR # 8016 AND SMP-MSLD-PCT	APPROVED	DATE				
CONFIGURATION LEVEL: In Work		S. HSIEH	20-Jun-18					
	FINISH	CAD FILE		DWG SIZE		REV		
				B		A		
						DRAWING NO. SMP-MSLD-PCT16T		
						ITEM NO. SMP-MSLD-PCT16T		
						PART NO. SMP-MSLD-PCT16T		

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