

NOTES:

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

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 20 GHz
C. VSWR (RETURN LOSS): 1.10 MAX. (-26.40 dB MIN.) @ DC - 8 GHz
1.22 MAX. (-20 dB MIN.) @ 8 - 20 GHz
CONNECTOR ONLY, PERFORMANCE WILL VARY BASED ON
BOARD LAYOUT
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

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

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

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

Ø4.2 REF
[.165]

7.03 REF
[.277]

Ø1.27 [.050] TYP(4)

Ø4.24 [.167]

6.5 [.256] TYP

5.08 [.200] TYP

2.6 [.102]

2.03 [.080]

0.63 [.025]

0.21 [.008]

2.73 [.107]

RECOMMENDED PCB
LAYOUT DIMENSIONS

INTERFACE PER
MIL-STD-348
SERIES: SMP JACK
SMOOTH BORE

1.27±0.12
[.050±.0047]
CONTACT

2.92 REF
[.115]
TYP(4)

2.79 REF
[.110]

5.99 REF
[.236]

Ø0.99 REF
[.039]
TYP(4)

5.08 REF
[.200]
TYP.

0.54 REF
[.021]

0.38 REF
[.015]

Ø7.9 REF
[.311]

SCALE 4.000

NO MATERIAL OR PLATING SUBSTITUTIONS

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 [$<0.020 = \pm0.002$]
0.5 - 6mm = ±0.1mm [$0.020 - 0.236 = \pm0.004$]
>6.00 - 30mm = ±0.2mm [$0.236 - 1.181 = \pm0.008$]
>30.00 - 120mm = ±0.3mm [$1.181 - 4.725 = \pm0.012$]
ANGLES = ±1°

MATERIAL

SEE NOTES

TITLE
SMP STR JACK PCB RECEPTACLE
SMOOTH BORE
NON-MAGNETIC
TAPE & REEL PACKED

SIZE
B

DRAWING NO.
SMP-MSSB-PTR-NM

ITEM NO.
SMP-MSSB-PTR-NM

PART NO.
SMP-MSSB-PTR-NM

REV
A

ENGR.1
S.VO

ENGR.2
L.QIN

DATE
01-MAR-22

SHEET NO. 2 OF 3

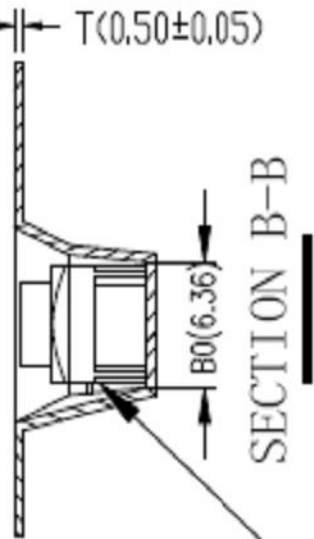
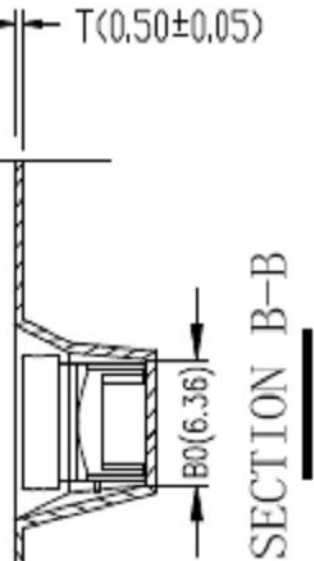
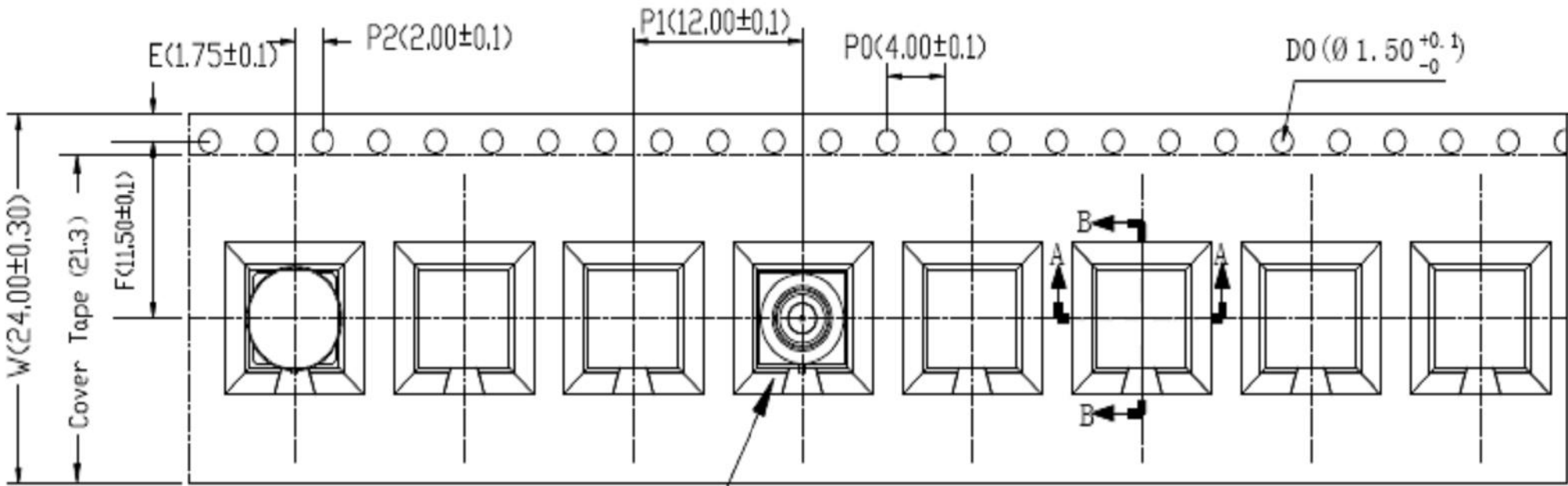
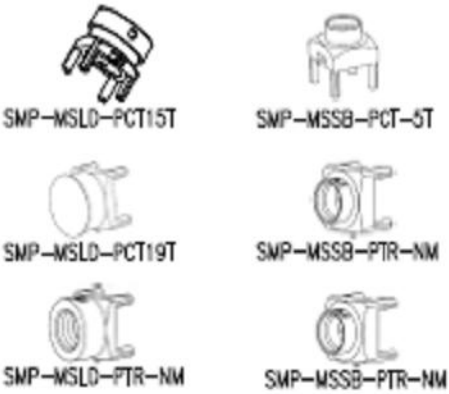
SCALE: 15.0:1.0

THIRD ANGLE PROJ.

REFERENCE

EAR#
8889

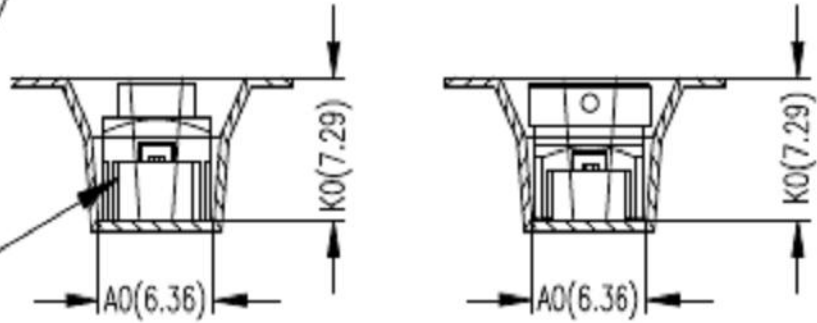
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	18-Nov-22	16309	SH



- Notes:
1. 10 sprocket hole pitch cumulative tolerance $\pm 0.20\text{mm}$
(每10个链轮齿孔累计公差为 $\pm 0.2\text{mm}$)
 2. Carrier camber not to exceed 1mm in 250mm.
(传送料带弯曲变形度每250mm不超过1mm)
 3. A_0 and B_0 measured on a plane 0.3mm above the bottom of the pocket. (A_0 与 B_0 在同一平面测量且距口袋底部0.3mm)
 4. K_0 measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
(K_0 为口袋底部与材料表面的平面距离。)
 5. All dimensions meet EIA-481-D requirements.
(所有尺寸符合EIA-481-D标准要求。)
 6. Material: Black Antistatic polystyrene .
(材料: 黑色防静电聚苯乙烯。)
 7. Thickness: $0.50 \pm 0.05 \text{ mm}$.
(厚度: 0.50 ± 0.05 毫米。)
 8. Packing length per 13" reel : 8.16Meters.
(每个13"卷轴包装长度为8.16米。)
 9. Component loader per 13" reel : 600 pcs.
(每个13"卷轴可装600个零件。)

载带卷料方向

SMP-MSSB-PCT-5T



SECTION A-A

技术要求:
在没有保护膜的情况下, 0-90度往返折弯3次, 卷带不会破裂; 冷封带0.3~1.3N;
厚度及防静电要求需满足要求, 防静电性能使用寿命至少大于半年。载带侧壁支撑力2kgf以上。

ITEM	W	A_0	B_0	K_0	K_1	P_1	F	E	D_0	D_1	P_0	P_2	T
DIM	24 ± 0.3	6.36 ± 0.1	6.36 ± 0.1	7.29 ± 0.1		12.0 ± 0.1	11.5 ± 0.1	1.75 ± 0.1	$1.5^{+0.1}_{-0.00}$		4.0 ± 0.1	2.0 ± 0.1	0.5 ± 0.05

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>30.00 - 120mm = $\pm 0.3\text{mm}$ [$>1.181 - 4.725 = \pm 0.012$]
ANGLES = $\pm 1^\circ$

MATERIAL
ENGR.1 S.VO
ENGR.2 L.QIN
DATE 01-MAR-22

TITLE
SMP STR JACK PCB RECEPTACLE
SMOOTH BORE
NON-MAGNETIC
TAPE & REEL PACKED
SHEET NO. 3 OF 3
SCALE: 15.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	SMP-MSSB-PTR-NM	A
	ITEM NO. SMP-MSSB-PTR-NM	
	PART NO. SMP-MSSB-PTR-NM	

THIRD ANGLE PROJ.

REFERENCE
EAR# 8889

Mouser Electronics

Authorized Distributor

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[SMP-MSSB-PTR-NM](#)