

P/N	INTERFACE(S)	Ø A	Ø B	C	FIGURE(S)
-1CC	LIMITED DETENT	.120±.001	.218	.079	2
-2CC	FULL DETENT	.116±.001	.218	.079	2
-3CC	SMOOTH BORE	.125±.001	.218	.079	2
-4CC	CATCHERS MITT	.125±.001	.235	.079	1
-5CC	FULL DETENT	.120±.001	.218	.100	2
-6CC	LIMITED DETENT	.116±.001	.218	.100	2
-7CC	SMOOTH BORE	.125±.001	.218	.100	2
-8CC	CATCHERS MITT	.125±.001	.235	.100	1
-9CC	FULL DETENT	.120±.001	.218	.140	2
-10CC	LIMITED DETENT	.116±.001	.218	.140	2
-11CC	SMOOTH BORE	.125±.001	.218	.140	2
-12CC	CATCHERS MITT	.125±.001	.235	.140	1

REVISIONS			
REV	DESCRIPTION	DATE	BY
J	ECO 13666	09.11.01	P.MAO
K	ECO 26081 (ADD SPEC)	08.15.12	DKN
L	ECO 202352 (ADD NEW NAME)	11.25.24	DKN

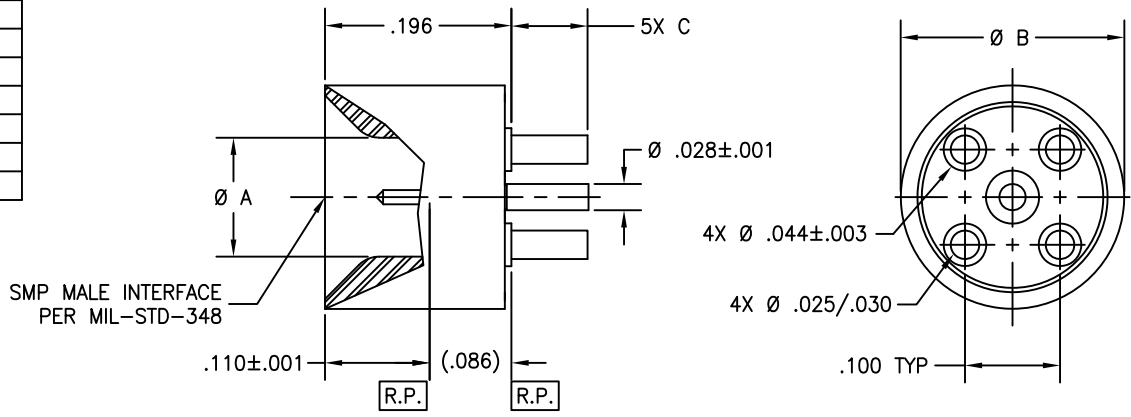


FIGURE 1

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Insert: Brass C360 per ASTM B-16. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1071.	Impedance: 50 Ohms nominal. Frequency Range: DC to 12.0 GHz. VSWR: 1.35:1 max to 12.0 GHz. Insertion Loss: .10 dB max to 12.0 GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 500 Vrms min. R.F. HiPot Voltage: 325 Vrms min @ 5MHz. Corona Level: 190 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -(90 - fGHz) dB.	Mating Characteristics: Interface per Mil-Std-348. Center Contact Retention: 1.5 lbs Min Axial N/A Radial Force to Engage: (Max) Full Detent 15 lbs Limited Detent 10 lbs Smooth Bore 2 lbs Catchers Mitt 2 lbs Force to Disengage: (Min) Full Detent 5 lbs Limited Detent 2 lbs Smooth Bore .5 lbs Catchers Mitt .5 lbs Connector Durability: Depend on Detent Permeability: Less than 2.0 MU	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH(ES):	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL	SPECIFICATION	PROCUREMENT						
Body: Passivated per ASTM A-967 OR AMS-QQ-P-35 Insert & Center Conductor: Gold plate per ASTM B-488 over nickel plate per SAE-AMS-QQ-N-290.	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .XX ±.015 .XXX ±.005 ANGLULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: 63/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-29. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	APPROVAL INITIALS: BRD DATE: 12/08/93 CHECKED BY: TEST ENGG DESIGN ENGG: ATV DATE: 09.13.01 MFG ENGG: DNg DATE: 11.25.24 ECO APPRV: DNg	Amphenol CDI TITLE: SMP MALE PCB MOUNT TO Ø .028 STRAIGHT TERMINATION SCALE: NONE DIRECTORY/SUB-DIRECTORY: OUTLINE_OLPX\ SHEET 1 OF 2	12900 Alondra Blvd. Cerritos, CA 90703 P654
WORK STD	PROD INST	ASSY INST									
NA	NA	NA									

4

3

2

1

D

D

C

C

B

B

A

A

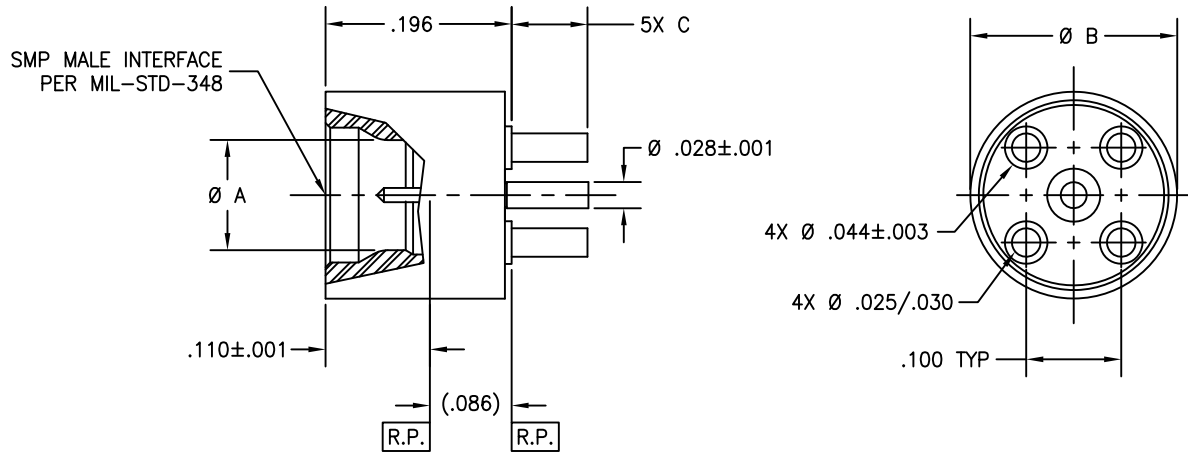
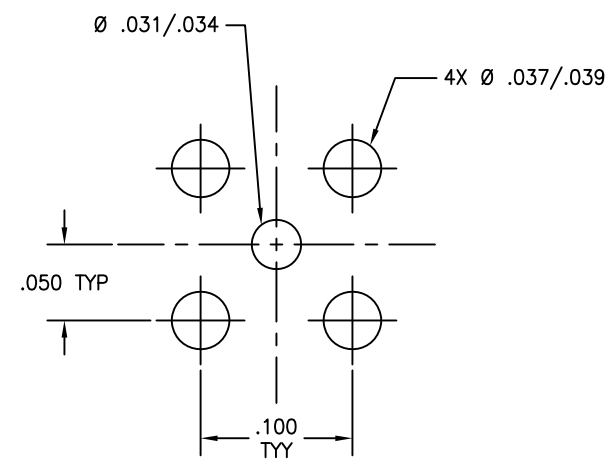


FIGURE 2



RECOMMENDED MOUNTING HOLE PATTERN

4

3

2

1

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET 2	OF 2
NONE	_OUTLINE\		
SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P654	L