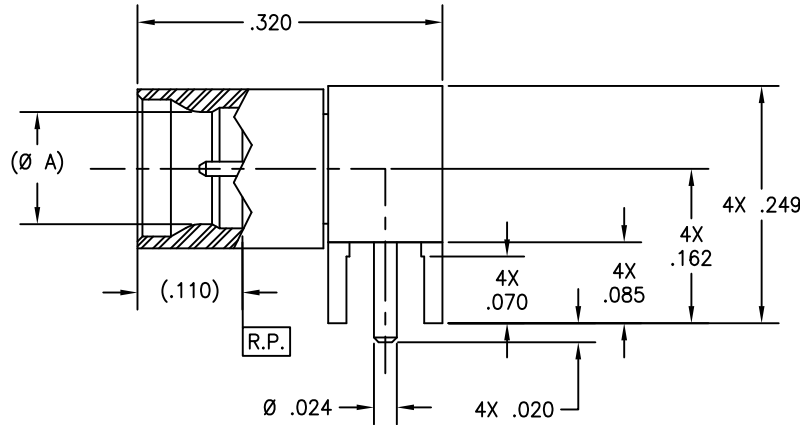
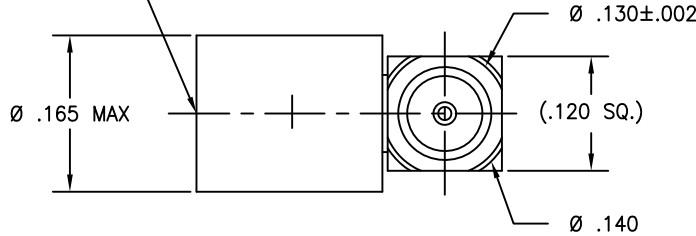


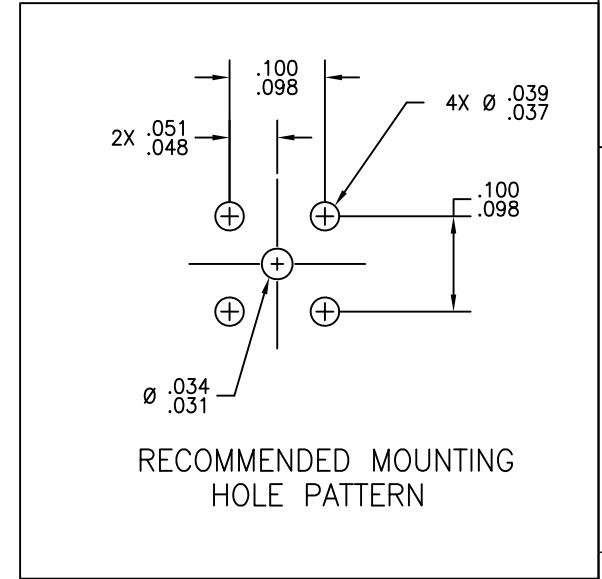
P/N	INTERFACE(S)	(Ø A)
-1CC	FULL DETENT	.116
-2CC	LIMITED DETENT	.116
-3CC	SMOOTH BORE	.116



SMP Male Interface  
Per Mil-Std-348



REVISIONS			
REV	DESCRIPTION	DATE	BY
F	ECO 12859	03/02/01	HDB
G	ECO 18641	07.28.05	RC
H	ECO 202352 (CHG DWG FORMAT)	11.13.24	DKN



RECOMMENDED MOUNTING  
HOLE PATTERN

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
<p>SMP Body: 303 SST per ASTM A-582.</p> <p>Rear Body: BeCu Alloy per ASTM B-196 or Brass Alloy per ASTM B-16.</p> <p>Center Conductor: BeCu Alloy per ASTM B-196.</p> <p>Insulator: PTFE Teflon per ASTM D-1710.</p>	<p>Impedance: 50 Ohms nominal. Frequency Range: DC to 12 GHz. VSWR: 1.35:1 max to 12 GHz. Insertion Loss: 0.15 dB max to 12 GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 500 Vrms min. R.F. HiPot Voltage: 325 Vrms min @ 5MHz. Corona Level: 125 Vrms @ 70,000 ft. Insulation Resistance: 5,000 MegOhms min. Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -(65 - fGHz) dB min.</p>	<p>Mating Characteristics: Interface per Mil-Std-348. Force to Engage: (Max) Full Detent 15 lbs Limited Detent 10 lbs Smooth Bore 2 lbs Force to Disengage: (Min) Full Detent 5 lbs Limited Detent 2 lbs Smooth Bore .5 lbs Connector Durability: Depend on Detent Permeability: Less than 2.0 MU</p>	<p>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 1,000 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.</p>

FINISH(ES):	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL		SPECIFICATION		PROCUREMENT												
<p>Rear Body &amp; Center Conductor: Gold plate per ASTM B-488, type II, code C or D, class 1.25, over nickel under plate per AMS-QQ-N-290, class 1.</p> <p>SMP Body: Passivated per ASTM A-967.</p>	<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	<p>INTERPRET DRAWING PER ASME Y14.5-2018</p> <p>DIMENSIONS ARE IN INCHES: LINEAR .001 ±.015 ANGULAR ± 1/2° FRACTIONS ± 1/32</p> <p>1. MACHINE FINISH: 63/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES 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 11-26. 9. REMOVE FRAVED EDGES ON TEFLON. 10. REMOVE ALL BURRS.</p>	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>BRD</td> <td>12/08/93</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	BRD	12/08/93	<p>Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703</p>		<p>TITLE SMP MALE, PCB SURFACE MOUNT MITER R/A</p>		<p>SCALE 10:1</p>	
WORK STD	PROD INST	ASSY INST																	
NA	NA	NA																	
APPROVAL INITIALS	DATE																		
BRD	12/08/93																		
<p>DESIGN ENGG ATV 08.18.99</p>			<p>QUALITY DIRECTORY/SUB-DIRECTORY</p>		<p>SHEET 1 OF 1</p>		<p>SIZE C 30990</p>												
<p>MFG ENGG</p>			<p>ECO APPRV</p>		<p>DRAWING NO. P653</p>		<p>REV. H</p>												