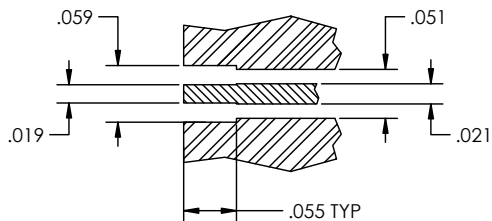


PART NO.	APPLICABLE NOTE(S)	(Ø A)	INTERFACE(S)	FIGURE(S)
-1CC	1,2,3	(.116)	FULL DETENT	1
-2CC	1,2,3	(.120)	LIMITED DETENT	1
-3CC	1,2,3	(.125)	SMOOTH BORE	1
-4CC	1,2,3	(.125)	CATCHERS MITT	2
-1CCT	1,2,3	(.116)	FULL DETENT	1, VIEW A
-2CCT	1,2,3	(.120)	LIMITED DETENT	1, VIEW A
-3CCT	1,2,3	(.125)	SMOOTH BORE	1, VIEW A
-4CCT	1,2,3	(.125)	CATCHERS MITT	2, VIEW A



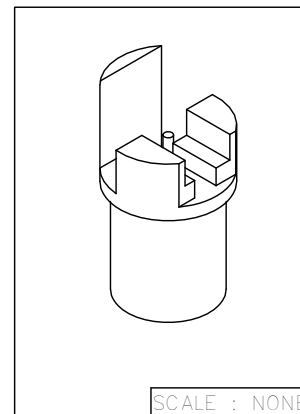
RECOMMENDED PCB MOUNTING PATTERN



NOTE(S) :

- ① DIMENSIONS SHOWN ARE FOR ROGERS 4350 PCB MATERIAL. THESE DIMENSIONS MAY VARY DEPENDING ON PCB MATERIAL USED.
- ② POST AND CONTACT AREA NOTED TO BE PRE-TINNED USING Sn63Pb37 SOLDER.
- ③ PERMISSIBLE EXCESS SOLDER FLOW DUE TO MANUFACTURING PROCESS.

REVISIONS			
REV.	DESCRIPTION	DATE	BY
G	ECO 21365	06.16.08	DKN
H	ECO 35547 (add new p/n's)	03.11.20	DT
J	ECO 202352 (ADD NEW NAME)	11/26/2024	DKN



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body & Center Conductor : BeCu Alloy per ASTM B-196. Dielectric : PTFE per ASTM D-1710.	Impedance: 50 Ohms Nominal Frequency Range: DC - 40 GHz VSWR: 1.25:1 max DC - 26.5 GHz 1.40:1 max 26.5 - 40 GHz Insertion Loss: .01 x SQRT(f (GHz)) dB. Working Voltage: 600 Vrms @ Sea Level 150 Vrms @ 70000 ft. Dielectric Withstand Voltage: 500 Vrms min. RF HiPot Voltage: 325 Vrms min. @ 5MHz Corona Level: 190 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms. Contact Resistance: Center Contact: 4.0 Milliohms max Outer Contact: 2.0 Milliohms max R.F Leakage : -80 dB max to 3 GHz. -60 dB max to 18 GHz.	Mating Characteristics: Interface per MIL-STD-348. Force to Engage and Disengage : Engage Disengage Full Detent : 10 lbs max 5 lbs min Limited Detent : 8 lbs max 2 lbs min Smooth Bore: 2 lbs max .5 lbs min Center Contact Retention : Axial Force : 1.5 pounds min. <u>Note : 10lbs min, when c/c is solder-on to PCB</u> Radial Torque : NA . Connector Durability : Full Detent : 100 Cycles Limited Detent : 500 Cycles Smooth Bore : 1000 Cycles Connector Attachment Strength: 20 lbs max (depend on the solder techniques)	Temperature Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Cond C 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):
Body & Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, over Nickel under plate per SAE-AMS-QQ-N-290, Class 1. Notice: For Pre-Tinned version, area on Body and Center Conductor shown to be de-golded using Sn63Pb37.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
NOTICE		
<small>THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI & ALL DESIGNS, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS AND SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, CERRITOS, CALIFORNIA 94009.</small>		

TOLERANCES AND NOTES	
EXCEPT AS NOTED DIMENSIONS ARE IN INCHES.	
XX ± .015	ANGULAR ± 1/2°
LINEAR XXX ± .005	FRACTION ± 1/32
INTERPRET DRAWING PER ASME Y14.5 - 2018	
1. MACHINE FINISH: $\sqrt{}$ RMS	
2. BREAK ALL SHARP EDGES .003 MAX.	
3. MACHINED FILLETS .005 MAX.	
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.	
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR.	
6. DIMENSIONS TO BE MET BEFORE PLATING.	
7. CHAMFER ALL THREADS 45°.	
8. THREADS PER UN.	
9. REMOVE FRAZED EDGES ON TEFLON.	
10. REMOVE ALL BURRS.	

MATERIAL		SPECIFICATION		PROCUREMENT		
APPROVAL INITIALS	DATE	12900 Alondra Blvd. Cerritos, CA 90703		TITLE SMP MALE PCB EDGE MOUNT TO STRAIGHT TERMINATION		
DRAWN BY	ATV					08.09.99
CHECKED BY	-					-
TEST ENGR	-					-
DESIGN ENG	ATV	06.17.08	SCALE	16:1	SUB-DIRECTORY/OUTLINE	
MFG. ENGR	-	-	SIZE	C	30990	
ECO APPRV	-	-	DRAWING NO.	P698		
					SHEET 1 OF 2	
					REV. J	

4

3

2

1

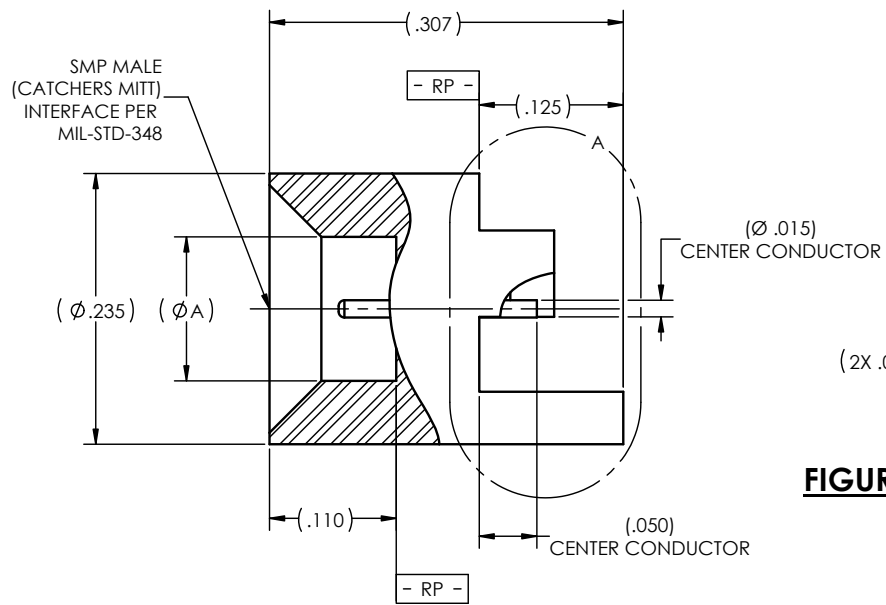
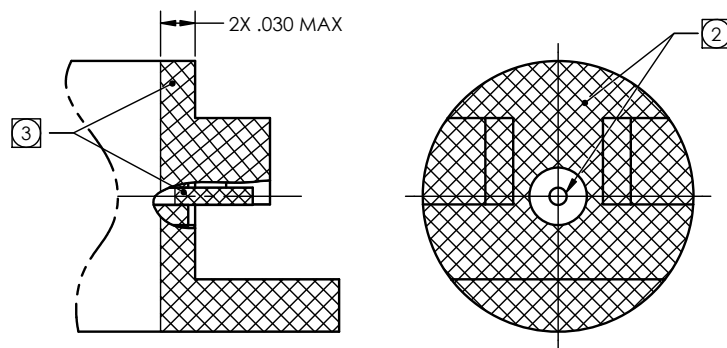
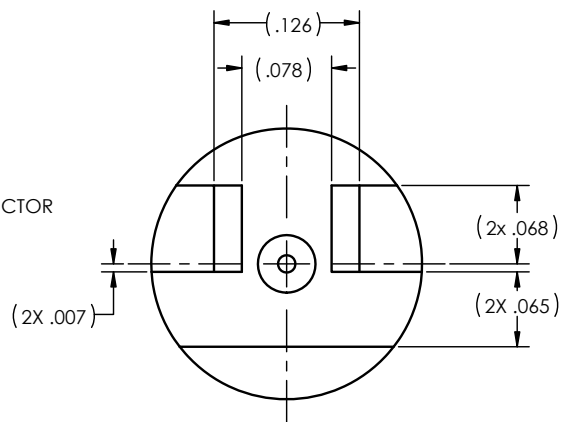


FIGURE 2



VIEW A

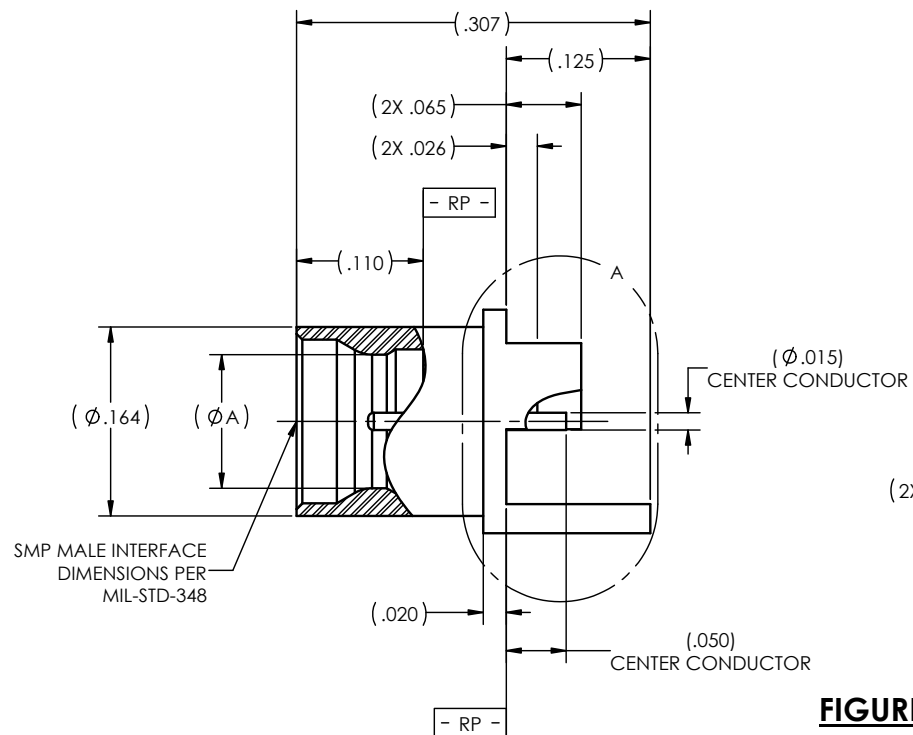
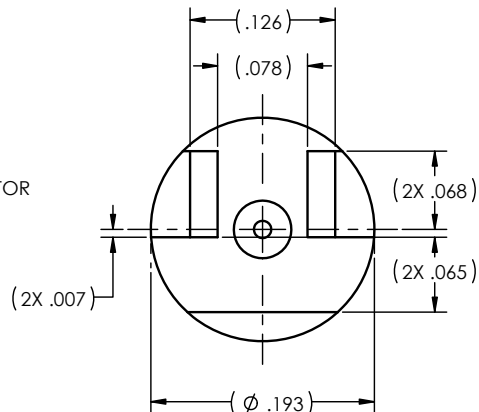


FIGURE 1



4

3

2

1

SCALE	SUB-DIRECTORY/	SHEET 2 OF 2
24:1	OUTLINE\	
SIZE	CAGE CODE	DRAWING NO.
C	30990	P698
		REV. J