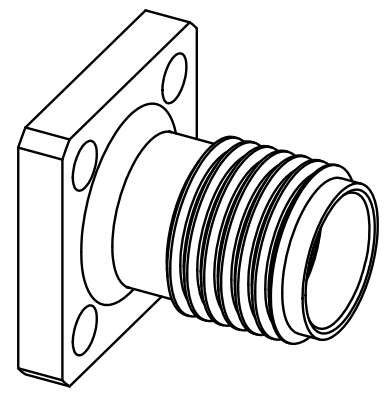
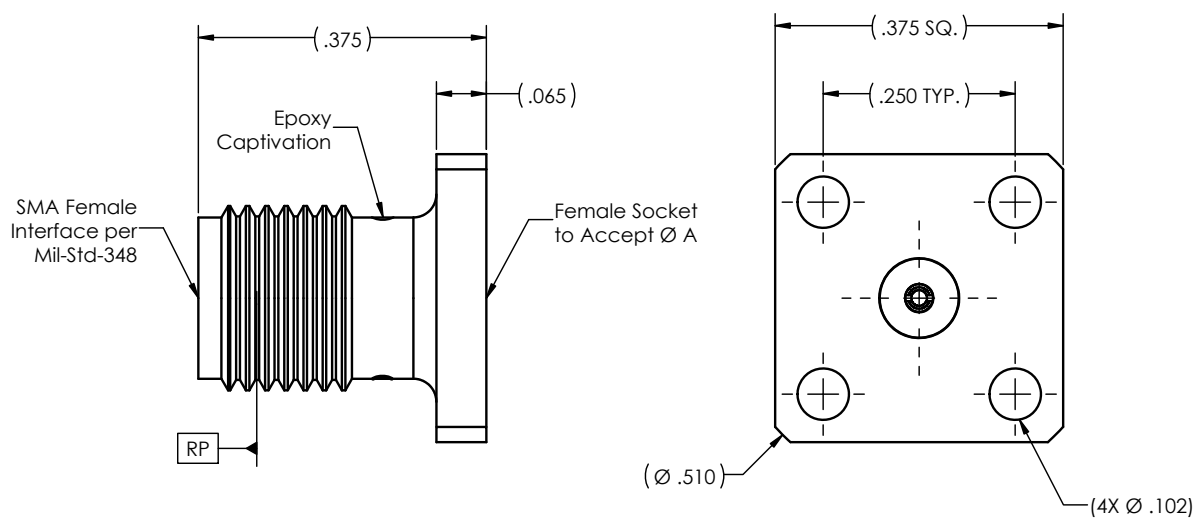


PART NO.	(Ø A)
-2CC	.020
-2CCSF	.020
-3CC	.010
-3CCSF	.010
-4CC	.012
-4CCSF	.012
-5CC	.015
-5CCSF	.015
-6CC	.018
-6CCSF	.018



REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
204093	A	REDRAW WITH CHANGES	DKN	07/21/2025



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
Body: 303 SST per ASTM A582 Center Conductor: BeCu Alloy per ASTM B196 Dielectric: PTFE Teflon per ASTM D1710 Epoxy: Sigma VF Type HV	Impedance: 50 Ohms Nominal Frequency Range: DC to 18 GHz VSWR: 1.55:1 max @ 18GHz Insertion Loss: .30 dB max @ 18GHz Working Voltage: 335 Vrms max @ Sea Level Dielectric Withstand Voltage: 1,000 Vrms min. RF HiPot Voltage: 670 Vrms min. @ 5MHz Insulation Resistance: 5,000 MegOhms min. RF Leakage: -(90 - fGHz) dB. Contact Resistance: Initial: Center Contact: 6.0 Milliohms max Outer Contact: 2.0 Milliohms max	Mating Characteristics: Interface per MIL-STD-348 Force to Engage & Disengage: Torque: 2 inch-lbs max Longitudinal Force: NA Center Contact Retention: Axial Force: 6 lbs min. Connector Durability: 500 Cycles min. @ 12 cycles/minute max Permeability: Less than 2.0 mu.	Temperature Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Condition A Moisture Resistance: MIL-STD-202, Method 106, except step 7b shall be obmitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity. Corrosion: MIL-STD-202, Method 101, Test Condition B Vibration: MIL-STD-202, Method 204, Test Condition D Shock: MIL-STD-202, Method 213, Test Condition I

FINISH(ES):		
Body: (for CCSF): Passivate per ASTM A967 or SAE AMS 2700. (for CC): Gold plate per ASTM B488, Type II, Code C, Class 0.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1.		
Center Conductor: Gold plate per ASTM B488, Type II, Code C or D, Class 1.25, over nickel under plate per SAE AMS-QQ-N-290, Class 1.		

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

- TOLERANCES AND NOTES**
 EXCEPT AS NOTED DIMENSIONS ARE IN INCHES.
 LINEAR .XX ±.015 / .XXX ±.005
 FRACTION ± 1/32 ANGULAR ± 1/2°
- INTERPRET DRAWING PER ASME Y14.5 - 2018
 - MACHINE FINISH: 63 RMS
 - BREAK ALL SHARP EDGES .003 MAX.
 - MACHINED FILLETS .005 MAX.
 - MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
 - MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
 - DIMENSIONS TO BE MET AFTER PLATING.
 - CHAMFER ALL THREADS 45°.
 - THREADS PER H-28
 - REMOVE FRAYED EDGES ON TEFLON.
 - REMOVE ALL BURRS.

APPROVAL	INITIALS	DATE
DRAWN BY	RC	04/03/2002
CHECKED BY	-	-
TEST ENG	-	-
QUALITY	-	-
DESIGN ENG	ATV	06/17/2002
MFG ENG	-	-
ECO APPRV	DNg	07/22/2025

MATERIAL	SPECIFICATION	PROCUREMENT
-	-	-
Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703		
TITLE SMA FEMALE 4 HOLE FLANGE (.375 X .500) MOUNT FIELD REPLACEABLE		
SCALE 8:1	SUB-DIRECTORY/ OUTLINE/	SHEET 1 OF 1
SIZE C	CAGE CODE 30990	DRAWING NO. OL 5941
		REV. A