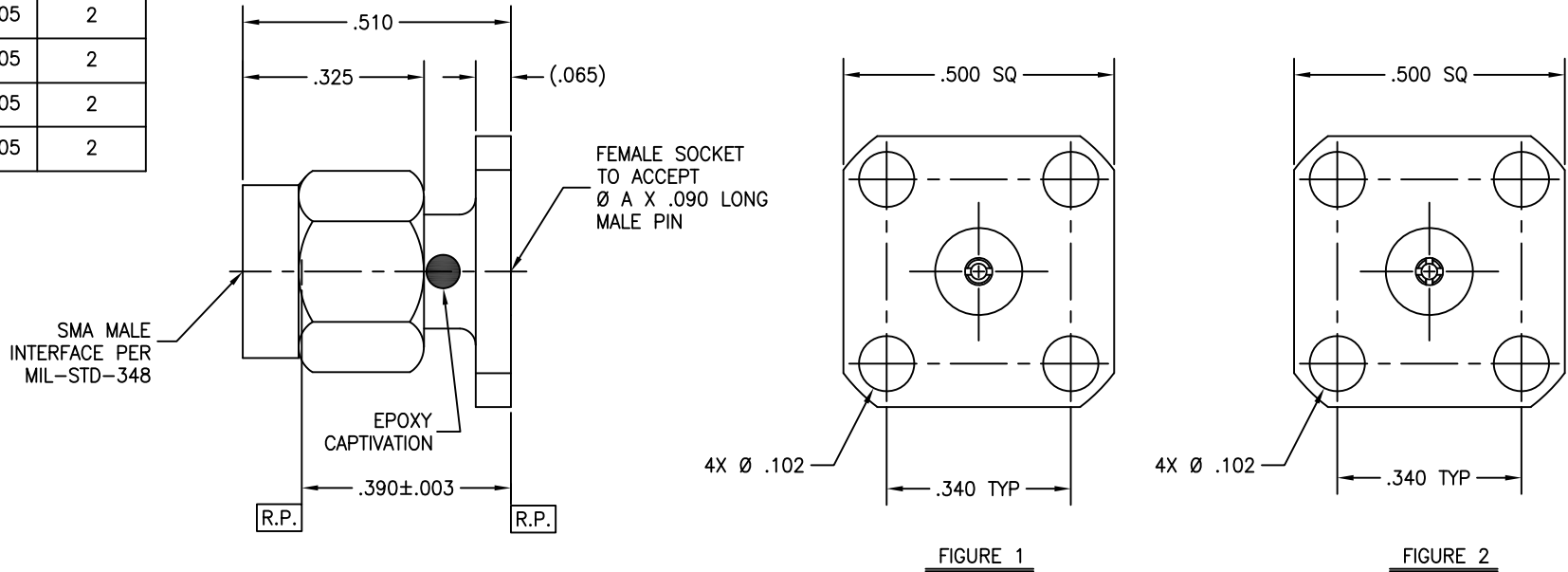


P/N	Ø A	FIGURE(S)
-1CC	.0360±.0005	1
-1CCSF	.0200±.0005	2
-2CC	.0100±.0005	2
-2CCSF	.0120±.0005	2
-3CC	.0150±.0005	2
-3CCSF	.0180±.0005	2
-4CC	.0150±.0005	2
-4CCSF	.0150±.0005	2
-5CC	.0150±.0005	2
-5CCSF	.0150±.0005	2
-6CC	.0180±.0005	2
-6CCSF	.0180±.0005	2

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 22345	07.13.09	DKN
B	ECO 202352 (ADD NEW NAME)	11.25.24	DKN



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body & Coupling nut: 303 SST per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Retaining Ring: BeCu alloy per ASTM B-196 or ASTM B-197. Dielectric: PTFE per ASTM D-1710. Gasket: Silicone per A-A-59588 Epoxy: Sigma VF type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 x f(GHz). Insertion Loss: .03√f(GHz). Working Voltage: 335 Vrms @ Sea Level 150 Vrms @ 70,000 ft Dielectric Withstand Voltage: 1,000 Vrms RF HiPot Withstand Voltage: 670 Vrms Corona Level: 250 Vrms Min. Insulation Resistance: 5000 MegaOhms R.F. Leakage: -(60 - fGHz) dB min. Contact Resistance: Initial: Center Conductor: 3.0 mOhms MAX Outer Conductor: 2.0 mOhms MAX After: Center Conductor: 4.0 mOhms MAX Outer Conductor: NA	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Center Contact Captivation: Axial Force: 6 pounds min. Torque: 4 inch-ounces min. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	Temperature Range: -65°C to +125°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 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 & Coupling Nut: (For CCSF's): Passivated per ASTM A-967. (For CC's): Gold plate per ASTM B-488, Type II, Code C, Class .25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1. Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.	<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 .002 T.I.R. 1. MACHINE FINISH: 43/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-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY R.C.</td> <td>03.21.02</td> </tr> <tr> <td>CHECKED BY</td> <td></td> </tr> <tr> <td>TEST ENGG</td> <td></td> </tr> <tr> <td>QUALITY</td> <td></td> </tr> <tr> <td>DESIGN ENGG DNg</td> <td>7.14.09</td> </tr> <tr> <td>MFG ENGG</td> <td></td> </tr> <tr> <td>ECO APPRV DNg</td> <td>11.25.24</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	DRAWN BY R.C.	03.21.02	CHECKED BY		TEST ENGG		QUALITY		DESIGN ENGG DNg	7.14.09	MFG ENGG		ECO APPRV DNg	11.25.24	TITLE: SMA MALE 4 HOLE (.500 SQ) FLANGE MOUNT FIELD REPLACEABLE SCALE: 8/1 DIRECTORY/SUB-DIRECTORY: _OUTLINE\ SHEET 1 OF 1	12900 Alondra Blvd. Cerritos, CA 90703 CAGE CODE: 30990 DRAWING NO.: 5982
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