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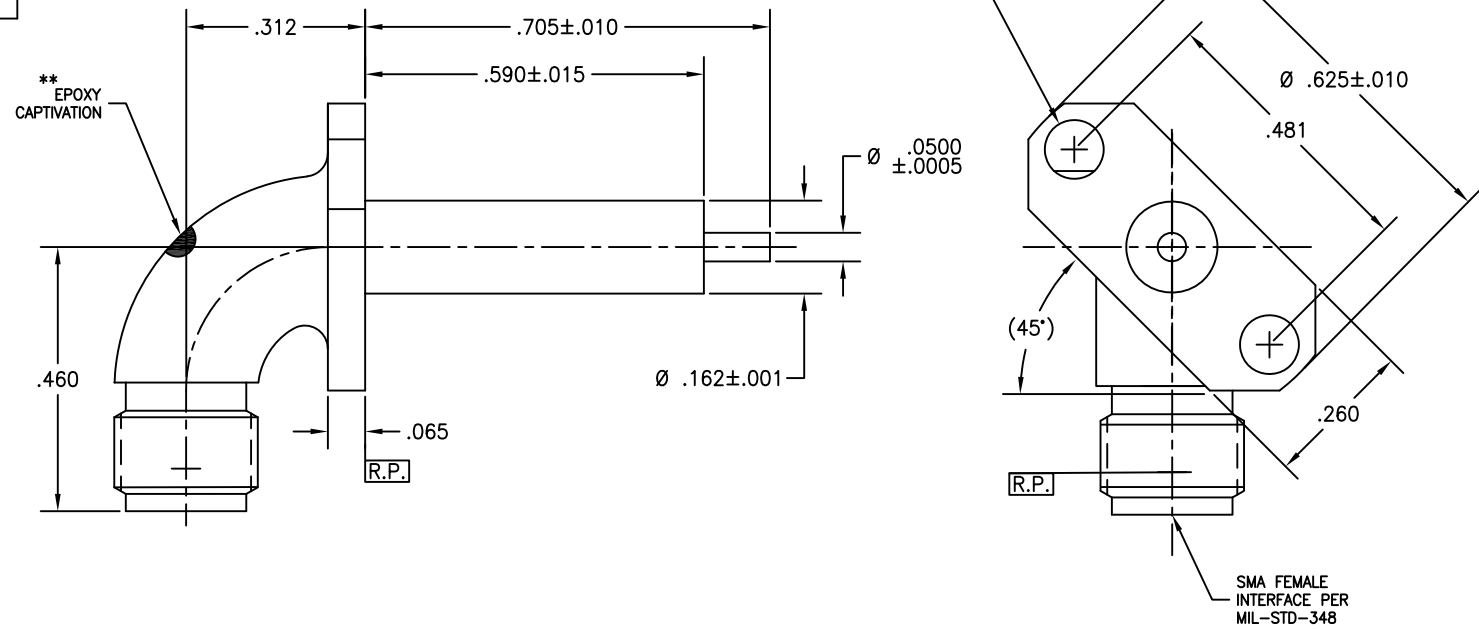
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P/N
5649
5649SF
5649CC
5649CCSF

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 23546	09.02.10	DKN
B	ECO 202352 (ADD NEW NAME)	11.21.24	DKN



** NOT APPLICABLE TO BASIC & SF

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 304L sst per AMS-5511. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: (for CC & CCSF) Sigma VF Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.06 + .005 (fGHz). Insertion Loss: .10 dB max to 6 GHz. Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1,000 Vrms min. R.F. HiPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(60 - fGHz) dB min. for CC -(90 - fGHz) dB min. for Basic & SF Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 4.0 Milliohm max. Outer Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Center Contact Retention: Axial Force: 6 lbs min. Connector Durability: 500 cycles min @ 12 cycles/minute max. *Center Contact Captivation: Axial Force: 6 lbs min. Radial Torque: N/A Permeability: Less than 2.0 mu. * Applicable to CC & CCSF	Temp. Range: -65°C to +125°C (all captivated). -65°C to +165°C (Basic & SF). Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. 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:	APPLICABLE Amphenol CDI DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL		SPECIFICATION		PROCUREMENT	
	WORK STD	PROD INST	ASSY INST		APPROVAL INITIALS	DATE	Amphenol CDI		12900 Alondra Blvd. Cerritos, CA 90703	
Body (For CCSF's): Passivate per ASTM A-967. Body (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.				INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .XXX ±.015 .XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32	DRAWN BY IMG CHECKED BY TEST ENGG QUALITY DESIGN ENGG DNg MFG ENGG ECO APPRV DNg	02.26.02 09.03.10 11.20.24	Amphenol CDI		TITLE SMA FEMALE RADIUS RIGHT ANGLE 2 HOLE FLANGE (.260 X .625) MOUNT (45° LEFT) TO STRAIGHT TERMINATION SCALE 6:1 DIRECTORY SUB-DIRECTORY SHEET 1 of 1	
	NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UN-AUTHORIZED PERSON TO INCORPORATE INTO OTHER PRODUCTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703			1. MACHINE FINISH: 43/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 WITH .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER 1H-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	SIZE C CAGE CODE 30990 DRAWING NO. 5649	REV B				

ENG-DWG REV. H 4

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