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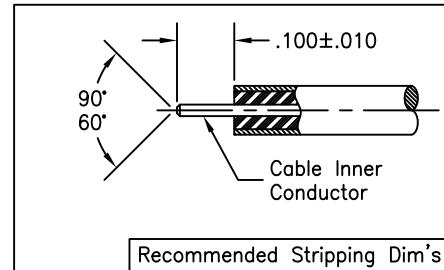
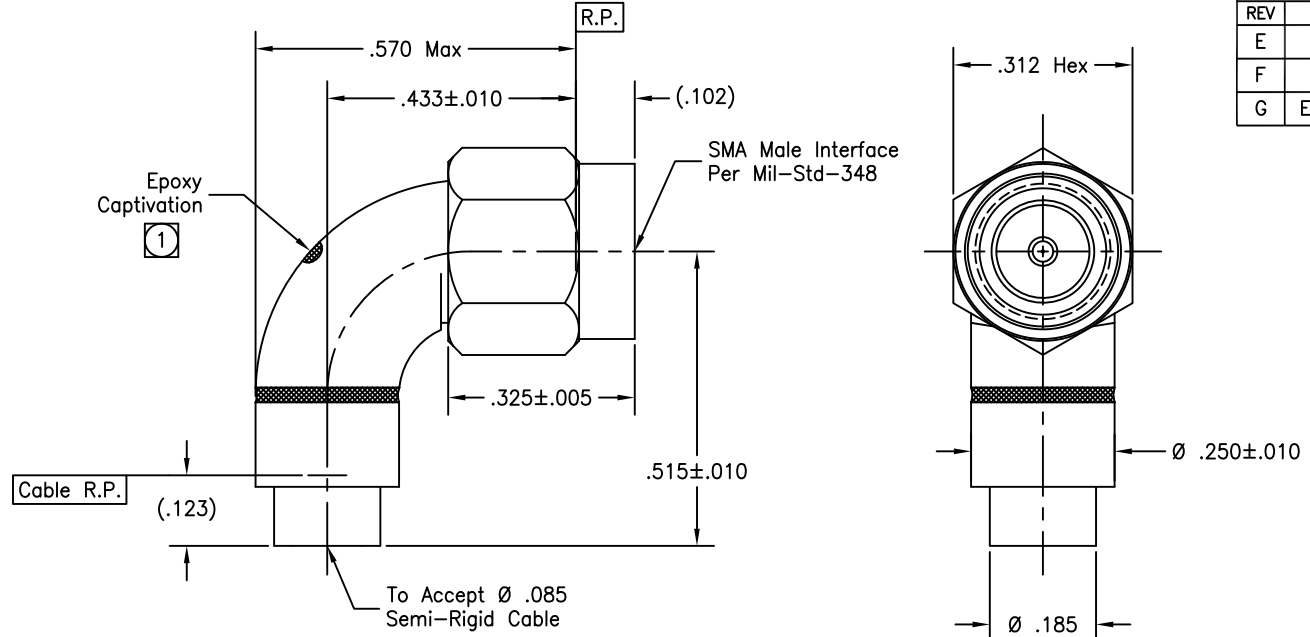
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REVISIONS			
REV	DESCRIPTION	DATE	BY
E	ECO 33496 (ADD CCCESF)	03.14.18	DKN
F	ECO 35865	07.27.20	DKN
G	ECO 202352 (ADD NEW NAME)	11.20.24	DKN

P/N
BASIC
CC
CCSF
SF
CCCESF ①



Note(s):
 ① Part No. 5236-2CCCESF, epoxy captivation covered by conductive epoxy.

MATERIAL(S): ELECTRICAL(S): MECHANICAL(S): ENVIRONMENTAL(S):

Body Sub-Assy:
 303 sst per ASTM A-582 and 304 sst per SAE-AMS-5567.
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 rubber per A-A-59588.
Epoxy (for CC, CCSF & CCCESF):
 Sigma VF type HV.
Conductive Epoxy (for CCCESF):
 Eccobond 56C

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.07 + .005 X f(GHz) max.
Insertion Loss: .03 √f(GHz) dB max.
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: 5,000 MegOhms min.
R.F. Leakage: -(60 - fGHz) dB min for CC & CCSF.
 -(80 - fGHz) dB min for CCCESF.
 -(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.
Connector Durability:
 500 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.
Center Contact Captivation (for CC, CCSF & CCCESF):
 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 (All Captivated)
 -65°C to +165°C (Basic & SF)
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. B.
Shock:
 Mil-Std-202, Method 213, Test Cond. I.

FINISH(ES):
Coupling Nut:
 (For SF, CCSF & CCCESF): Passivate per ASTM A-967.
 (For BASIC & CC): Gold plate per ASTM B-488, Type II, Code C, Class 0.25, over nickel under plate per SAE-AMS-QQ-N-290, .000015 inch min.
Body:
 Gold plate per ASTM B-488, Type II, Code C, Class 0.25, over nickel under plate per SAE-AMS-QQ-N-290, .000050 inch min.
Center Conductor:
 Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25, over nickel underplate per SAE-AMS-QQ-N-290, .000050 inch min.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	AI-106

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TOLERANCES AND NOTES EXCEPT AS NOTED
 INTERPRET DRAWING PER ASME Y14.5-2018
 DIMENSIONS ARE IN INCHES:
 LINEAR .XXX ±.015
 .XXX ±.005 ANGULAR ± 1/2°
 FRACTION ± 1/32
 1. MACHINE FINISH: #3/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 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.

MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	Amphenol CDI		12900 Alondra Blvd. Cerritos, CA 90703	
DRAWN BY HL	01.30.79				
CHECKED BY PM	07.09.08	TITLE SMA MALE RADIUS R/A TO Ø .085 SEMI-RIGID CABLE			
TEST ENGG		SCALE 6:1 DIRECTORY\SUB-DIRECTORY _OUTLINE\			
DESIGN ENGG P.MAO	07.09.08	SHEET 1 of 1			
MFG ENGG		SIZE C	CAGE CODE 30990	DRAWING NO. 5236-2	REV G
ECO APPRV DNg	11.20.24				

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