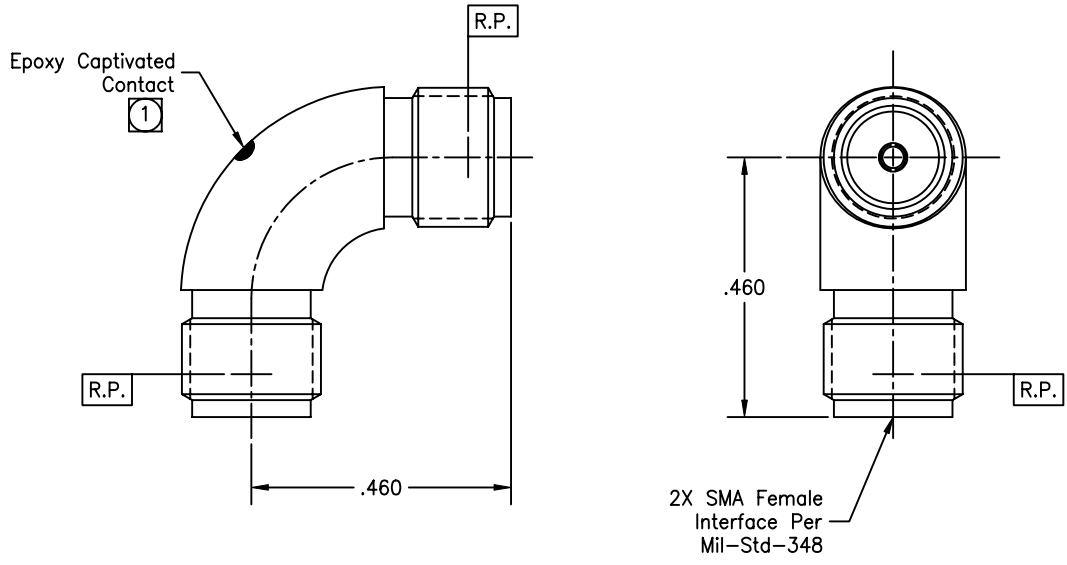


P/N	APPLICABLE NOTE(S)
BASIC	
SF	
CC	①
CCSF	①

REVISIONS			
REV	DESCRIPTION	DATE	BY
C	ECO 19617	10.02.06	P.MAO
D	ECO 26011(UPDATE VSWR & I.L.)	07.25.12	DKN



2X SMA Female Interface Per Mil-Std-348

Note(s):
 ① Epoxy is required only on Part No.'s 5095CC and 5095CCSF.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body: 304 sst per MIL-T-8504 or SAE-AMS-5567. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Epoxy: **Sigma VF type HV. ** Not applicable to Part No.'s 5095 & 5095SF.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.08 + .008 x f(GHz). Insertion Loss: .04 √f(GHz) dB. 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: -(65 - fGHz) dB (For CC & CCSF's). R.F. Leakage: -(90 - fGHz) dB (For BASIC & SF's). Contact Resistance: Before Environmental: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environmental: 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 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Center Contact Captivation: **Axial Force: 6 pounds min. **Radial Torque: 4 inch-ounces min. ** Not applicable to Part No.'s 5095 & 5095SF.	Temperature Range: -65°C to +165°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):
Body: (For SF & CCSF's): Passivate per ASTM A-967. (For BASIC & CC's): Gold plate per ASTM B-488, type II, code C or D, class .25, over nickel underplate per SAE-AMS-QQ-290. Center Conductor: Gold plate per ASTM B-488, type II, code C or D, class 1.25, over nickel underplate per SAE-AMS-QQ-290.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

TOLERANCES AND NOTES EXCEPT AS NOTED	
DIMENSIONS ARE IN INCHES.	
LINEAR	J0.015
ANGULAR	± 1/2°
FRACTION	± 1/32

- MACHINE FINISH: 63/ RMS
- BREAK ALL SHARP EDGES .003 MAX.
- MACHINED FILLETS - .005 MAX.
- MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.
- MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
- DIMENSIONS TO BE MET BEFORE PLATING.
- CHAMFER ALL THREADS 45°.
- THREADS PER 11-26
- REMOVE FRAYED EDGES ON TEFLON.
- REMOVE ALL BURRS.

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MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	CARLISLE Interconnect Technologies Cerritos, CA 90703		TITLE	
DRAWN BY	11.12.04			SMA FEMALE TO SMA FEMALE RADIUS RIGHT ANGLE ADAPTER	
CHECKED BY				SCALE	
TEST ENGG				6:1	
QUALITY		DIRECTORY/SUB-DIRECTORY		SHEET 1 of 1	
DESIGN ENGG	P.MAO 10.02.06	DRAWING NO.		REV.	
MFG ENGG	PC 07.25.12	SIZE	CAGE CODE	D	
ECO APPRV	DNG 07.25.12	C	30990	5095	