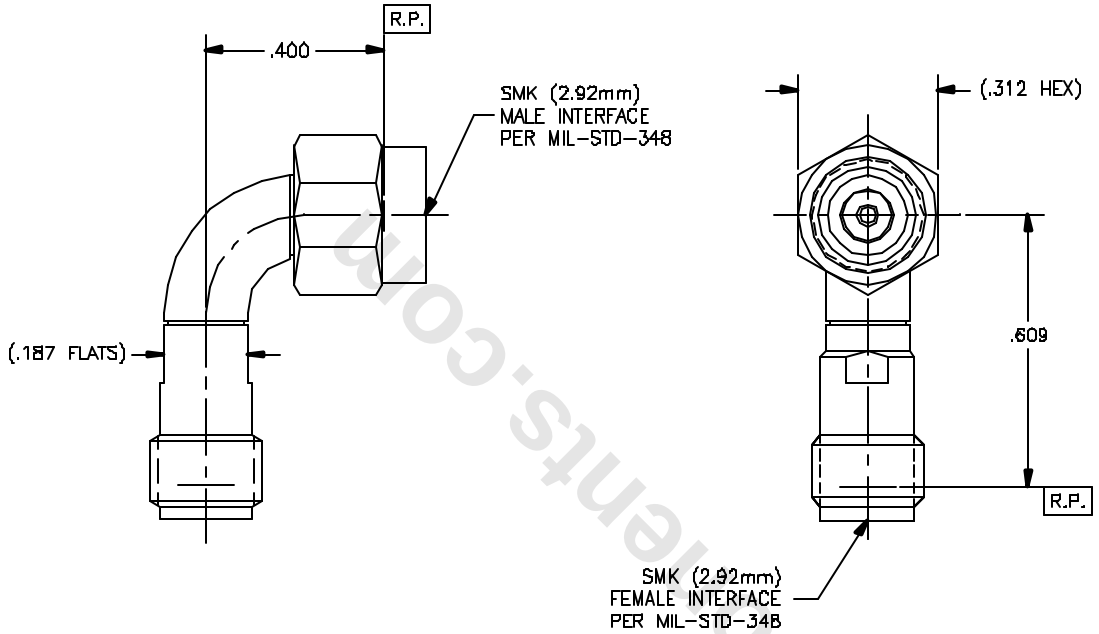
P/N
CC
CCSF

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 14699	07.17.02	ATV
B	ECO 21464	07.23.08	DKN
C	ECO 25054 (CHG TEMP RANGE)	11.8.11	YP



MATERIAL(S):

Body And Coupling Nut:
303 sst per ASTM A-582.
Right Angle Body:
304 sst per MIL-T-8504
or AMS 5567
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:
Viton A per MIL-R-83248
Bead:
(High Performance Application).
Epoxy:
Sigma Vary Flex type HV.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 40.0 GHz.
VSWR: 1.50:1 Max to 40 GHz.
Insertion Loss: .50 dB max to 40 GHz.
Working Voltage: 500 Vrms max @ sea level.
Dielectric Withstanding Voltage: 1500 Vrms min.
R.F. HiPot Voltage: 1000 Vrms min @ 5MHz.
Corona Level: 375 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
R.F. Leakage: -90 dB min from 2 to 3 GHz
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.

MECHANICAL(S):

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 Retention:
Axial Force: 6 pounds min.
Torque: 4 inch-ounces min.
Coupling Proof Torque: 15 inch-pounds min.
Coupling Mech. Retention: 60 pounds min.

ENVIRONMENTAL(S):

Temperature Range: -55°C to +125°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
Temperature Cycle:
Mil-Std-202, Method 102, Test Cond. C.
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, R/A Body And Coupling Nut:
(for CCSF's) Passivate per ASTM A-967.
(for CC's) Gold plate per ASTM B-488,
over nickel under plate per AMS-QQ-N-290.
Center Conductor:
Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE CARLISLE IT DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

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TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015
.XXX ±.005
FRACTION ± 1/32.
1. MACHINE FINISH 125 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES PERPENDICULAR TO REFERENCE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .005 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28.
9. REMOVE MACHINE BURRS ON TAPERS.
10. REMOVE ALL BURRS.

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	MATERIAL		SPECIFICATION	PROCUREMENT
APPROVAL	INITIALS	DATE		
DRAWN BY	AGS	06.13.01	CARLISLE Interconnect Technologies Carlisle, PA 17013	
CHECKED BY				
TEST ENGR				
QUALITY				
DESIGN ENGR	DKN	08.05.08		
MFG ENGR				
ECO APPRV	HN	11/09/11		

TITLE: SMK(2.92mm) MALE TO SMK(2.92mm) FEMALE RADIUS RIGHT ANGLE ADAPTER

SCALE: 5:1 | DIRECTION/FLOW-DIRECTORY: OL_\ | SHEET 1 OF 1

SIZE: C | DWG NO: 30990 | REV: C

ENG-DWG REV. E