

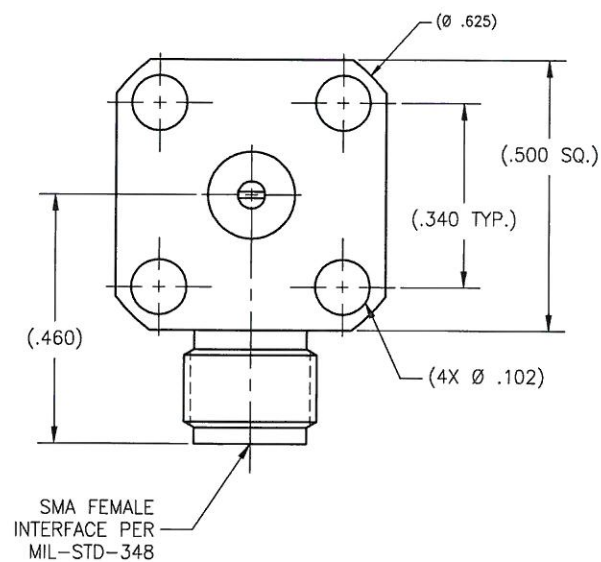
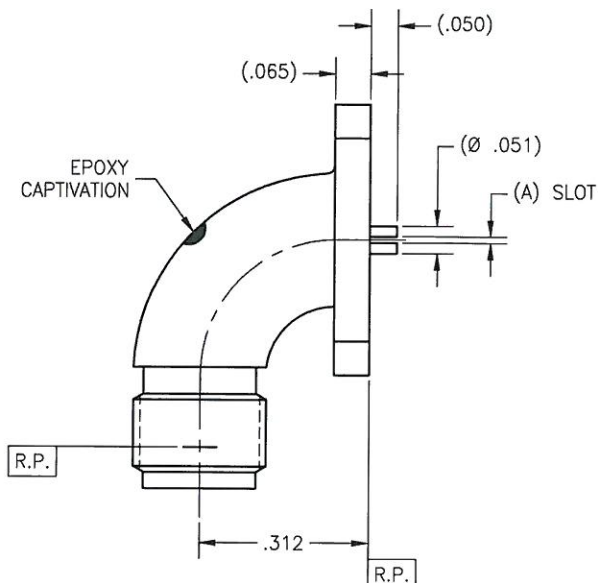
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P/N	(A) SLOT
-1	.012
-1CC	.012
-1CCCE	.012
-1CCCESF	.012
-1CCSF	.012
-1SF	.012
-2	.018
-2CC	.018
-2CCCE	.018
-2CCCESF	.018
-2CCSF	.018
-2SF	.018
-3	.028
-3CC	.028
-3CCCE	.028
-3CCCESF	.028
-3CCSF	.028
-3SF	.028
-4	.036
-4CC	.036
-4CCCE	.036
-4CCCESF	.036
-4CCSF	.036
-4SF	.036



MATERIAL(S):

Body:
304 sst per SAE-AMS-5511.
Center Conductor:
BeCu alloy per ASTM B-196.
Dielectric:
PTFE per ASTM D-1710.
Epoxy:
(for CC's): Sigma VF Type HV.
(for CE's): Ablebond 16-1

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18 GHz.
VSWR: $1.06 + .005 \times f(\text{GHz})$.
Insertion Loss: .10 dB max @ 6GHz.
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 1,500 Vrms min.
R.F. HiPot Voltage: 1,000 Vrms min @ 5MHz.
Corona Level: 375 Vrms @ 70,000 ft.
Insulation Resistance: 5,000 MegOhms min.
R.F. Leakage: -60 dB min. from 2-3 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.
Center Contact Retention Force:
Axial Force: 6 pounds min.
Center Contact Captivation:
Axial Force: 6 pounds max.
Radial Torque: 4 inch-ounces max.
Connector Durability:
500 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.

ENVIRONMENTAL(S):

Temperature Range: -65°C to +125°C.
Thermal Shock:
Mil-Std-202, Method 107, 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: (for SF's)
Passivate per ASTM A-967.
Body: (for Basic & 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

NOTICE

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TOLERANCES AND NOTES EXCEPT AS NOTED

1. MACHINE FINISH: $\frac{63}{\text{RMS}}$
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .002 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-28
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

APPROVAL INITIALS		DATE		SPECIFICATION		PROCUREMENT	
DRAWN BY	R.C.	03.27.02		CARLISLE Interconnect Technologies		Cerritos, CA 90703	
CHECKED BY				TITLE SMA FEMALE RADIUS RIGHT ANGLE 4 HOLE FLANGE (.500 SQ) MOUNT TO HOR SLOT TERMINATION			
TEST ENGR				SCALE 6/1			
QUALITY				DIRECTORY/SUB-DIRECTORY			
DESIGN ENGR	ATV	11.07.07		SHEET 1 of 1			
MFG ENGR				SIZE C 30990			
ECO APPRV				DRAWING NO. 5580			
				REV. B			

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