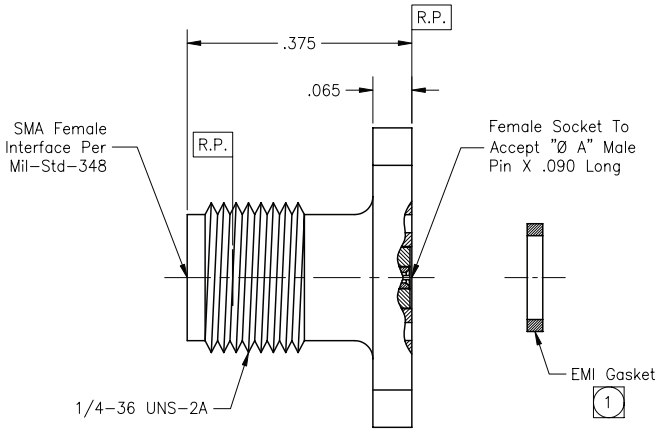
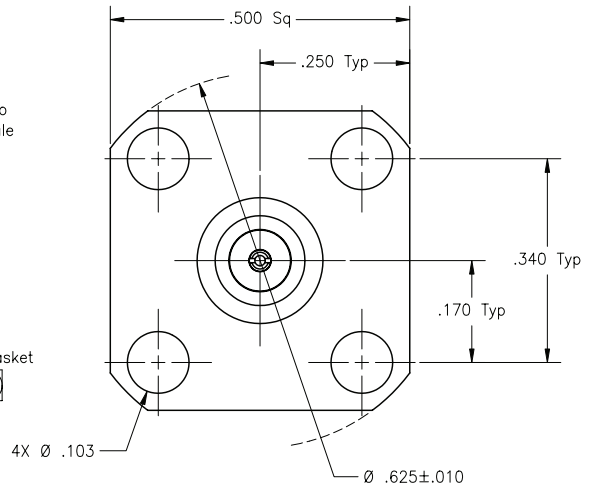
P/N	Ø A
−2CC	.0200±.0005
−2CCSF	
−3CC	.0100±.0005
−3CCSF	
−4CC	.0120±.0005
−4CCSF	
−5CC	.0150±.0005
−5CCSF	
−6CC	.0180±.0005
−6CCSF	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
–	A	ECO 23214	05.24.10	P.MAO





Note(s):

1. EMI gasket to be packaged and shipped unassembled.

MATERIAL(S):

Body:
303 sst per ASTM A−582.
Center Conductor:
BeCu alloy per ASTM B−196.
Dielectric:
PTFE per ASTM D 1710.
EMI Gasket:
Silicone Per Mil−G−83528, Type B, Chromerics, Cho−Seal 1285.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 26.5 GHz.
VSWR: 1.06 + .006 X f(GHz).
Insertion Loss: .03 $\sqrt{f(GHz)}$.
Working Voltage: 250 Vrms max @ sea level.
Dielectric Withstanding Voltage: 750 Vrms max.
R.F. HiPot Voltage: 670 Vrms min @ 5MHz.
Corona Level: 150 Vrms @ 70,000 ft.
Insulation Resistance: 1,000 MegOhms min.
R.F. Leakage: −(90 − fGHz) dB min.
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:

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:
Axial Force From Interface: 6 pounds min.
Axial Force From Rear End: 3 pounds min.

ENVIRONMENTAL:

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 CCSF's): Passivate per ASTM A 967 or SAE AMS−2700.
(For CC's): Gold plate per ASTM B 488, Type II, Code C, Class 0.25, over nickel under plate IAW SAE AMS−QQ−N−290, Class 1, .000015 thick min.
Center Conductor:
Gold plate IAW ASTM B 488, Type II, Code C or D, Class 1.25, over nickel under plate IAW SAE AMS−QQ−N−290, Class 1, .000050 thick min.

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 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS 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 H−28.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

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MATERIAL	SIZE	SPECIFICATION	PROCUREMENT

APPROVAL INITIALS		DATE
DRAWN BY	R.C.	03.20.02
CHECKED BY	P.MAO	05.26.10
TEST ENGG		
QUALITY		
DESIGN ENGG	P.MAO	05.26.10
MFG ENGG		

CARLISLE Interconnect Technologies
Long Beach, CA 90815

TITLE: SMA FEMALE 4 HOLE FLANGE MOUNT FIELD REPLACEABLE, WITH EMI GASKET

SCALE 8:1 | SUB−DIRECTORY\FILENAME _OL_\OL_5604 | SHEET 1 OF 1

SIZE C | CAGE CODE 30990 | DRAWING NO. 5604 | REV. A

ENG−DWG REV. C