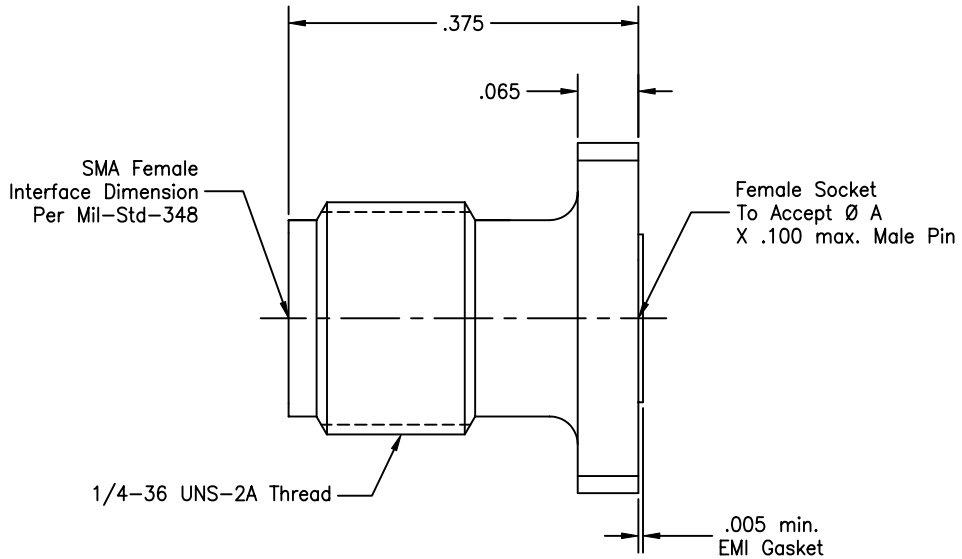
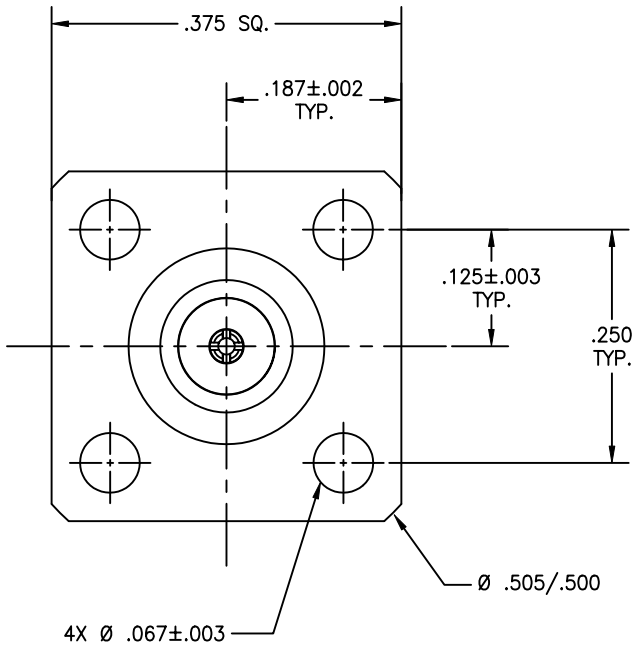
P/N	Ø A
-1CC	.017/.021

REVISIONS			
REV	DESCRIPTION	DATE	BY
–	INITIAL RELEASE	8.23.12	YP





MATERIAL:

Body:
SST 303 per ASTM A-582.
Center Conductor:
BeCu alloy per ASTM B-196.
Insulator:
PTFE per ASTM D-1710.
Insulator:
PTFE per ASTM D-1710.
EMI Gasket:
Silicone per Mil-G-83528.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 26.5 GHz.
VSWR: 1.06 + .005 x f(GHz).
Insertion Loss: .03 $\sqrt{f(GHz)}$.
Working Voltage: 250 Vrms max @ sea level.
Dielectric Withstanding Voltage: 750 Vrms min.
R.F. HiPot Voltage: 500 Vrms min @ 5MHz.
Corona Level: 190 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
R.F. Leakage: -(100 - fGHz).
Contact Resistance:
Initial:
Center Contact: 6.0 Milliohm max.
Outer Contact: 2.0 Milliohm max.

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.
Torque: 4 inch-ounces min.

ENVIRONMENTAL:

Temperature Range: -65°C to +165°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
Moisture Resistance:
Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 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:

Body:
Gold plate per ASTM B-488, Type I, code C, class 1.25 (.000050 min. thick) over nickel under plate per AMS-QQ-N-290, class 1 (.000150 min. thick) over copper per MIL-C-14550 (.000010 min. thick)

Center Conductor:
Gold plate per ASTM B-488, Type I, code C, class 2.50 (.000100 min. thick) over nickel under plate per AMS-QQ-N-290, class 1 (.000050 min. thick) over copper per MIL-C-14550 (.000010 min. thick)

APPLICABLE CARLISLE IT DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

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-2B
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

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MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	DKN	03.06.12
CHECKED BY		
TEST ENGG		
QUALITY		
DESIGN ENGG	HT	08.23.12
MFG ENGG	PC	08.24.12
ECO APPRV		

CARLISLE Interconnect Technologies
Cerritos, CA 90703

TITLE: SMA FEMALE 4 HOLE FLANGE FLNAGE MOUNT FIELD REPLACEABLE

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET
10:1	_OL\	1 OF 1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5667	–

ENG-DWG REV. E