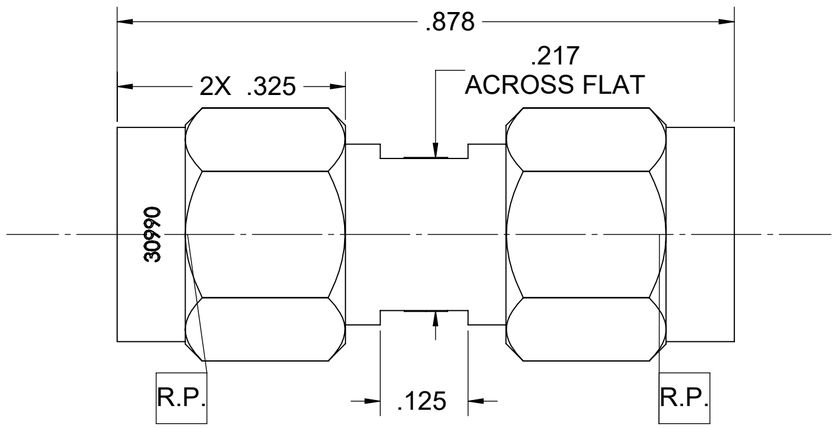
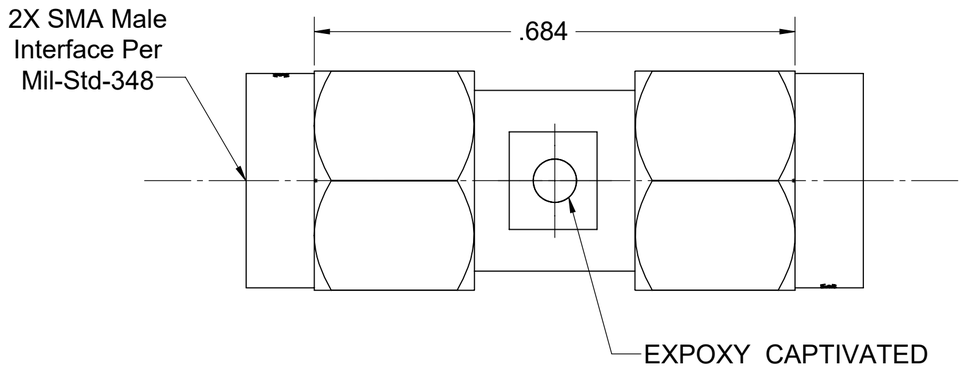
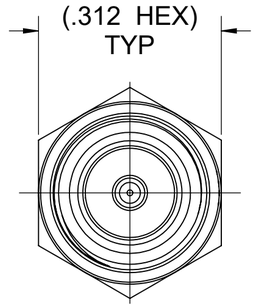
P/N
5390CC
5390CCSF

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ECO 27628	02.10.14	DKN
G	ECO 11169	01.24.00	E.A
H	ECO 34583	02.27.19	D.T
J	ECO 205566	06.19.26	PAW







NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.

MATERIAL(S):

Body & Coupling Nut:
303 sst per ASTM A-582.
Center Conductor:
BeCu alloy per ASTM B-196.
Retaiing Ring:
BeCu alloy per ASTM B-197.
Dielectric:
PTFE per ASTM D-1710.
Gasket:
Silicone rubber per A-A-59588.
Expoxy:
Sigma Vary Flex Type HV.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.05 + .005 x f(GHz).
Insertion Loss: .06 √f(GHz).
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 1,500 Vrms min.
R.F HiPot Voltage: 670 Vrms min @ 5MHz.
Corona Level: 250 Vrms @ 70,000 ft.
Insulation Resistance: 5,000 MegOhms min.
R.F Leakage: -(60 - fGHz) dB min.
Contact Resistance:
Initial:
Center Contact: 4.0 Milliohm max.
Outer Contact: 2.0 Milliohm max.
After Environment:
Center Contact: 6.0 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 (Captivation):
Axial Force: 6 pounds mim.
Torque: 4 inch-ounces mim.

Coupling Mech. Retention: 60 pounds min.
Coupling Proof Torque: 15 inch-pounds min.
Inspection Conditon: The pair shall be torqued to 7 ~ 10 inch-lbs where the test is performed on mated pairs.

ENVIROMENTAL(S):

Temperature Range: -65°C to +125°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
Moisture Resistance:
Mil-Std-202, Method 106, Insulation resistance at least 200 MegaOhms within 5 minutes after remvoal 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 & Coupling Nut:
For CCSF; Passivated ASTM A-967, Nitric 1.
For CC: Gold plate per ASTM B-488, Type II, Code C, Class 0.25;
Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.
Center Conductor:
Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25;
Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO AMPHENOL. AND SHALL IN NO WAY BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE EXCEPT WHEN SUCH USER POSSESSES DIRECT, WRITTEN AUTHORIZATION FROM AMPHENOL.

TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 / .XXX ±.005
FRACTION ± 1/32 ANGULAR ± 1/2°
1. INTERPRET DRAWING PER ASME Y14.5 - 2018
2. MACHINE FINISH: 63 RMS
3. BREAK ALL SHARP EDGES .003 MAX.
4. MACHINED FILLETS .005 MAX.
5. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
6. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
7. DIMENSIONS TO BE MET AFTER PLATING.
8. CHAMFER ALL THREADS 45°.
9. THREADS PER H-28
10. REMOVE FRAYED EDGES ON TEFLON.
11. REMOVE ALL BURRS.

-	-	-
MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	P.MAO	04.18.05
CHECKED BY	P.MAO	04.18.05
TEST ENG	XXX	XX/XX/XXXX
QUALITY	XXX	XX/XX/XXXX
DESIGN ENG	P.MAO	04.18.05
MFG ENG	XXX	XX/XX/XXXX
ECO APPRV	P.MAO	04.10.14

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE
SMA MALE TO SMA MALE
STRAIGHT BULKHEAD PANEL MOUNT, ADAPTER

SCALE	SUB-DIRECTORY/	SHEET	OF
6:1	OUTLINE\	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5390	J