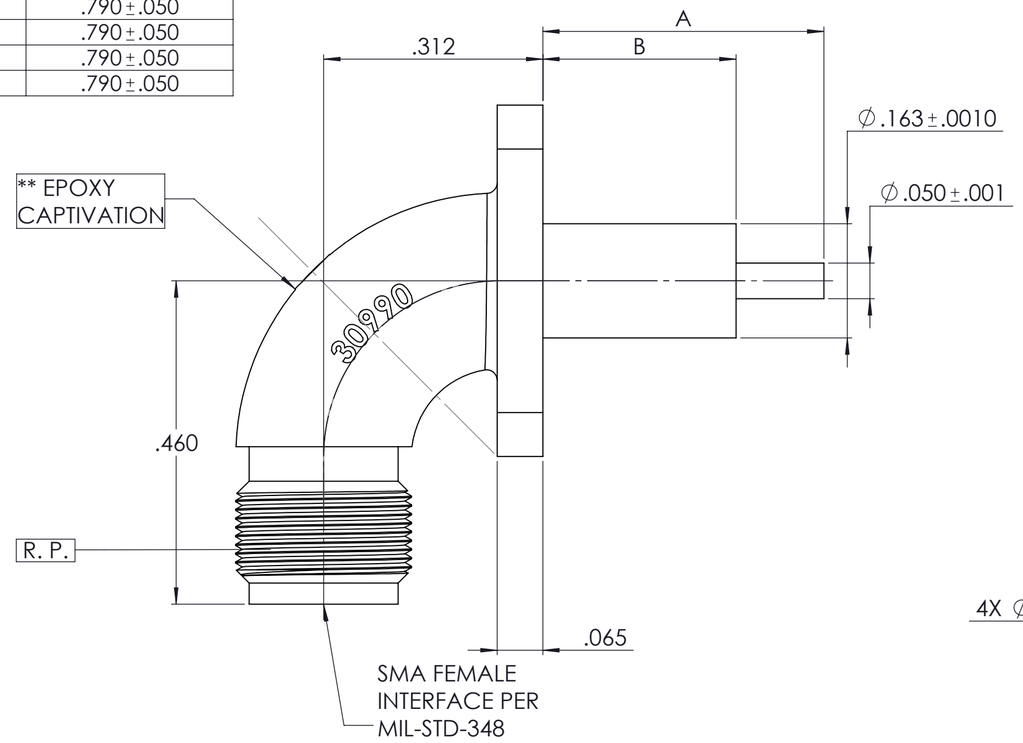
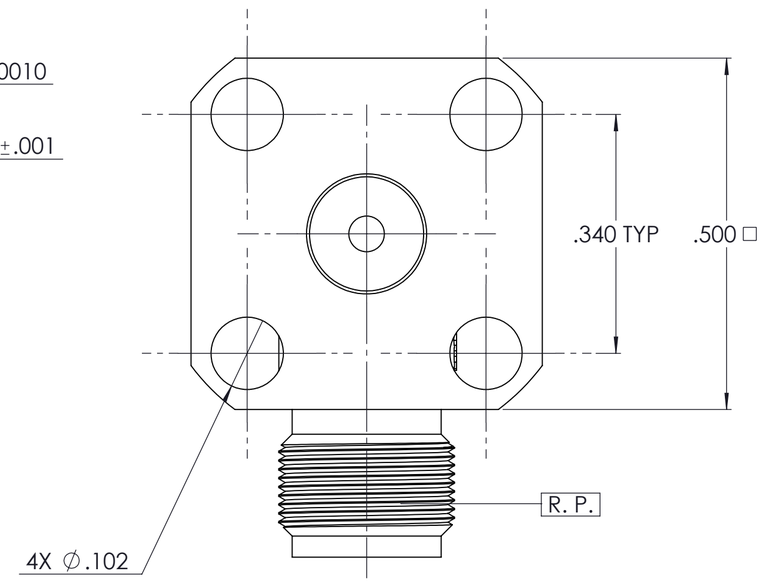
P/N	A	B
5449-1	.400 ± .050	.275 ± .050
5449-1SF	.400 ± .050	.275 ± .050
5449-1CC	.400 ± .050	.275 ± .050
5449-1CCSF	.400 ± .050	.275 ± .050
5449-2	.900 ± .050	.790 ± .050
5449-2SF	.900 ± .050	.790 ± .050
5449-2CC	.900 ± .050	.790 ± .050
5449-2CCSF	.900 ± .050	.790 ± .050

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ECO 34076 (REDRAW & CHG)	08.29.18	DKN
B	ECO 206112 REDRAW IN SOLIDWORKS	06.12.26	FS





NOTE(S):
1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.
2. ** NOT APPLICABLE TO BASIC & SF

MATERIAL(S):

Body:
304L sst per 'AMS-5511.
Center Conductor:
BeCu alloy per ASTM B-196.
Dielectric:
PTFE per ASTM D- 1710.
Epoxy: (for CC & CCSF)
Sigma VF Type HV.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.08 + .005 (fGHz).
Insertion Loss: .07 √f GHz.
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 - fGHz) dB min. for CC & CCSF.
-(90 - fHz) dB min. for BASIC & SF.
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:
Axial Force: 6lbs min.
Connector Durability:
500 cycles min@ 12 cycles/minute max.
*Center Contact Captivation:
Axial Force: 6lbs min.
Radial Torque: N/A
Permeability: Less than 2.0 mu.

* Applicable to CC & CCSF

ENVIROMENTAL(S):

Temperature Range: -65°C to +165°C (For Basic & SF)
-65°C to +125°C (For CC's & CCSF Only)
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
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 & CCSF)
Passivated per ASTM A-967.
Body: (For Basic & CC)
Gold plate per ASTM B-488, over nickel under plate per SAE-AMS-QQ-N-290.
Center Conductor:
Gold plate per ASTM B-488, over nickel under plate per SAE-AMS-QQ-N-290.

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.

APPLICABLE Amphenol CDI DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

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
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 AFTER 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	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	DKN	08.29.18

SEE ECO FOR APPROVAL SIGNATURES

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMA FEMALE RADIUS R/A 4 HOLE FLANGE MOUNT TO STRAIGHT TERMINATION

SCALE		SHEET	OF
6:1	_OL\5449	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5449	B