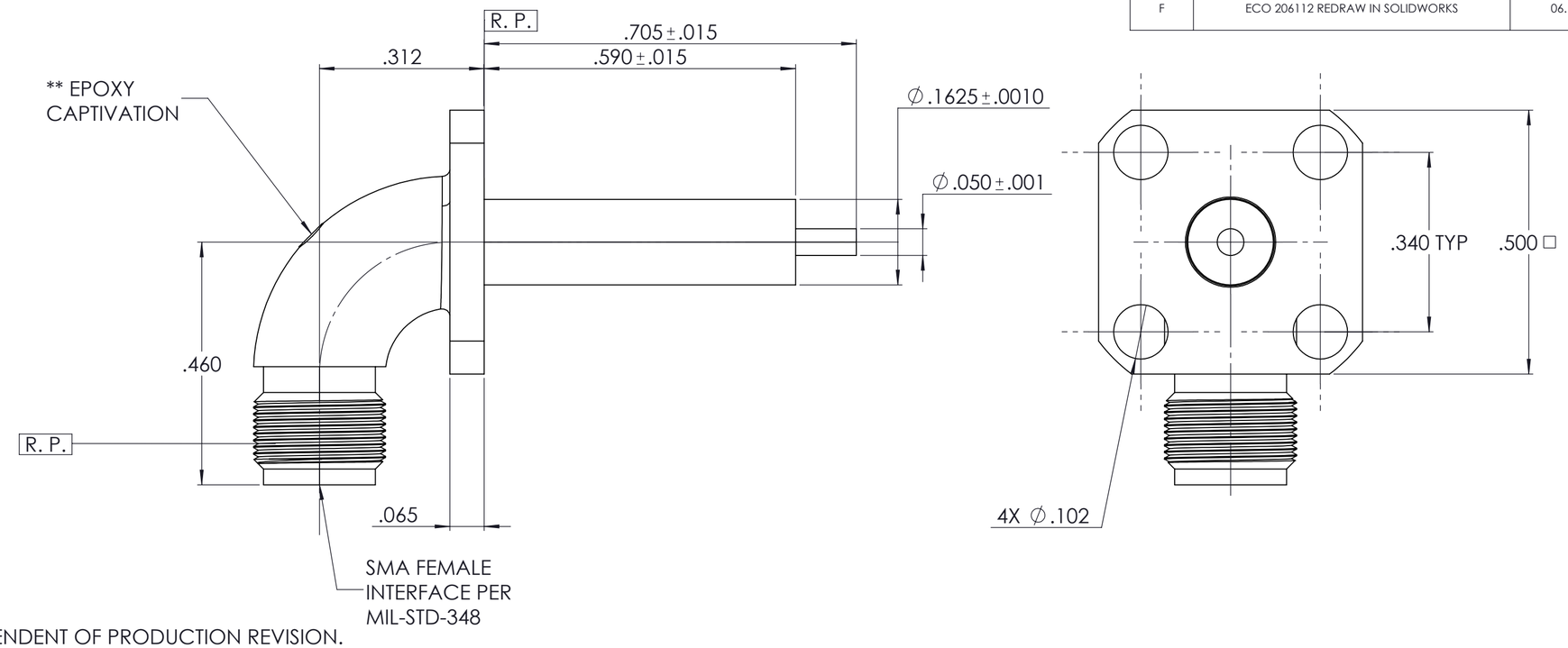
P/N
5450
5450SF
5450CC
5450CCSF
5450CCCE
5450CCCESF

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	ECO 32274	04.18.17	P.MAO
E	ECO 202352 (ADD NEW NAME)	11.20.24	DKN
F	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, CCCE & CCCESF)
Sigma VF Type HV.
Conductive Epoxy: (for CCCE & CCCESF)
Eccobond 56C.

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.
-(65 - fGHz) dB min for CCCE & CCCESF.
-(90 - fGHz) 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: 6 lbs 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, CCCE & CCCESF

ENVIROMENTAL(S):

Temper. Range: -65°C to +125°C (For CC, CCSF, CCCE & CCCESF)
-65°C to + 165°C (Basic & SF)
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 & CCCESF) Passivated per ASTM A-967.
Body: (for Basic, CC & CCCE)
Gold plate per ASTM B-488, Type II, Code C, Class
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.

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
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.

SEE ECO FOR APPROVAL SIGNATURES

-	-	-
MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	DKN	12.15.06

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\5450	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5450	F