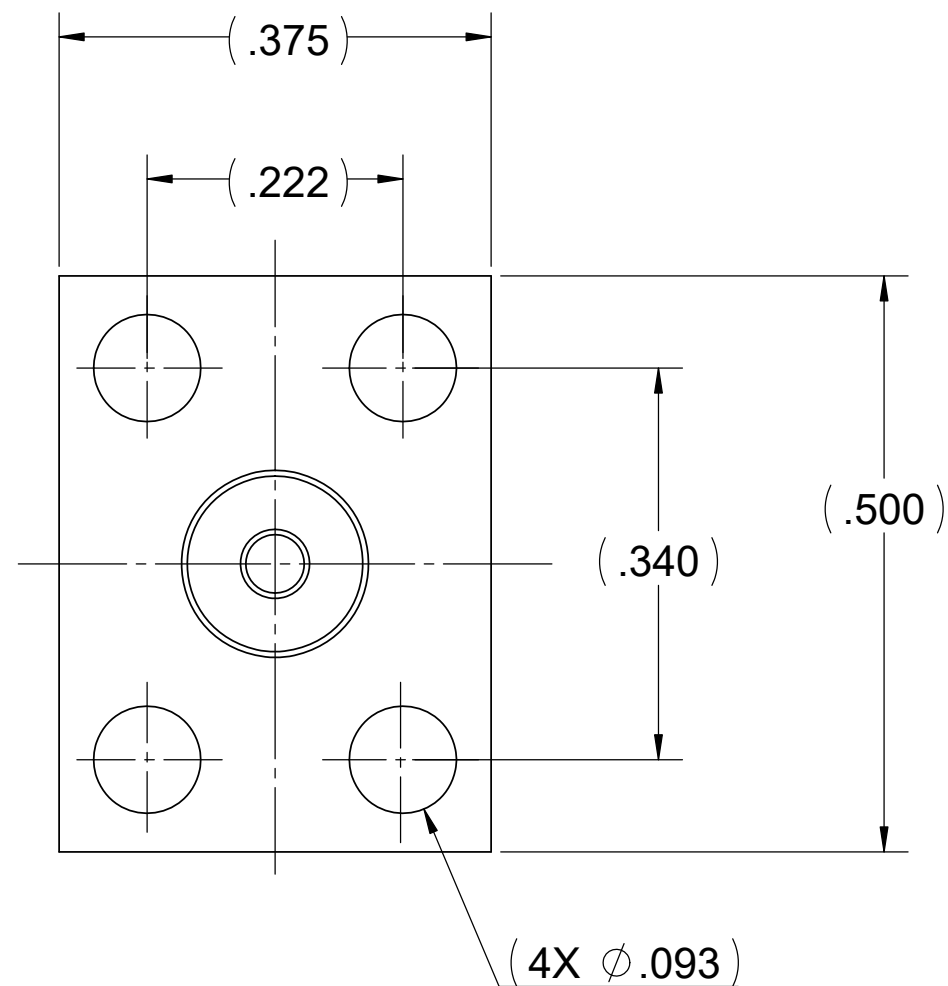
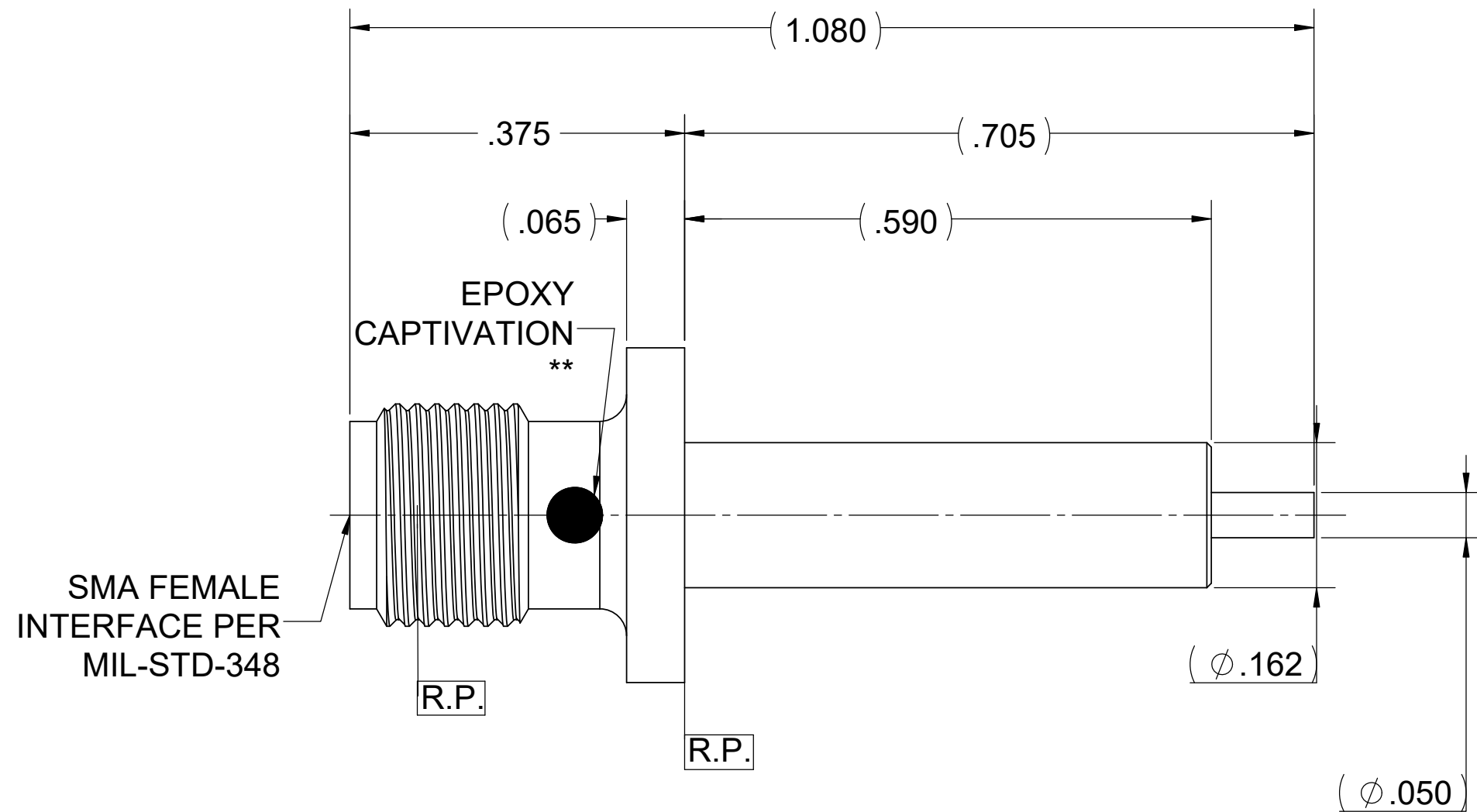


P/N
BASIC
SF
CC
CCSF

REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
20689	A	REDRAW IN CAD	ATV	10.31.07
205812	B	REDRAWN IN SW	PAW	06.25.26



NOTE(S):

1. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.
2. ** NOT APPLICABLE TO BASIC & SF.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
BODY: 303 SST PER ASTM A-582. CENTER CONDUCTOR: BeCu ALLOY PER ASTM B-196. DIELECTRIC: PTFE PER ASTM D-1710. EPOXY: (for CC & CCSF) SIGMA VF TYPE HV.	IMPEDANCE: 50 OHMS NOMINAL. FREQUENCY RANGE: DC TO 18.0 GHz. VSWR: 1.05 + .005 (fGHz). INSERTION LOSS: .03 √f (GHz). WORKING VOLTAGE: 335 Vrms MAX @ SEA LEVEL. DIELECTRIC WITHSTANDING VOLTAGE: 1,000 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 for CC & CCSF, -(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.	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 POUNDS MIN CONNECTOR DURABILITY: 500 CYCLES MIN @12 CYCLES/MINUTE MAX PERMEABILITY: LESS THAN 2.0 mu * CENTER CONTACT CAPTIVATION: AXIAL FORCE: 6 POUNDS MIN. RADIAL TORQUE: 4 INCH-OUNCES MIN. *APPLICABLE TO CC & CCSF	TEMPERATURE RANGE: -65 °C TO +125 °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):			TOLERANCES AND NOTES EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 / .XXX ±.005 FRACTION ± 1/32 ANGULAR ± 1/2°													
BODY: (for SF & CCSF): PASSIVATED PER ASTM A-967. (for BASIC & CC): GOLD PLATE PER ASTM B-488, OVER NICKEL PLATE PER AMS-QQ-N-290.						APPLICABLE Amphenol CDI DOCUMENTS			SEE ECO FOR APPROVAL SIGNATURES		MATERIAL		SPECIFICATION		PROCUREMENT	
						WORK STANDARD PROD INSTRUC ASSY INSTRUC										
CENTER CONDUCTOR: GOLD PLATE PER ASTM B-488, OVER NICKEL PLATE PER AMS-QQ-N-290.						NA NA NA			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.		APPROVAL INITIALS DATE DRAWN BY ATV 10/31/07		Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703			
RoHS 3 Compliant EU 2015/863						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.							TITLE SMA FEMALE 4 HOLE (.500 X .275) FLANGE MOUNT TO STRAIGHT TERMINATION			
											SCALE 6:1		SHEET 1 OF 1		REV. B	
											SIZE C CAGE CODE 30990 DRAWING NO. 5691					