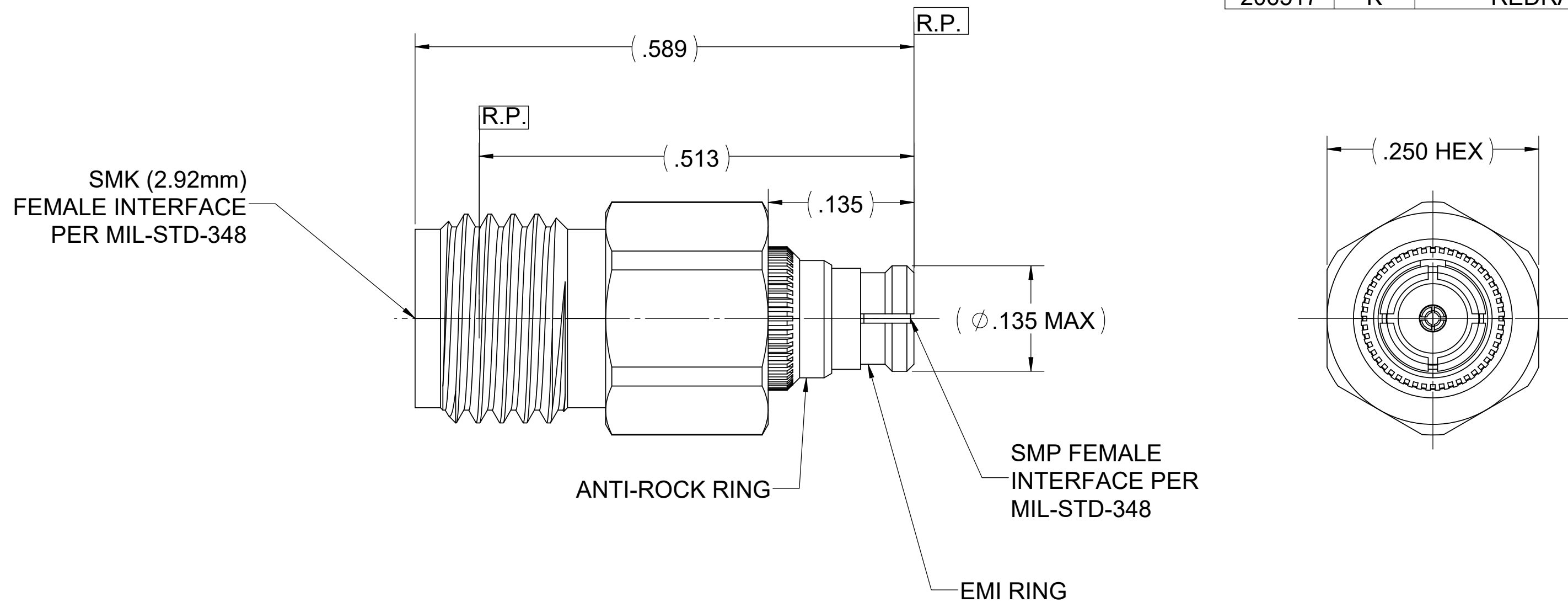


P/N
P909-1
P909-1SF
P909-1CCSF

REVISION HISTORY				
ECO	REV.	DESCRIPTION	DRAWN BY	DATE
13034	G	-	HDB	03.05.01
15427	H	-	DKN	03.24.03
35584	J	-	DKN	03.23.20
206517	K	REDRAWN IN SW	PAW	08.31.26



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

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
BODY (SMK): 303 SST PER ASTM A-582. BODY(SMP) & CENTER CONDUCTOR: BeCu ALLOY PER ASTM B-196. EMI RING & ANTI-ROCK RING: BeCu ALLOY PER ASTM B-196. BEAD: HIGH TEMPERATURE APPLICATION. DIELECTRIC: PTFE PER ASTM D-1710.	IMPEDANCE: 50 OHMS NOMINAL. FREQUENCY RANGE: DC TO 40 GHz. VSWR: 1.25:1 DC TO 18 GHz. 1.30:1 18 TO 26 GHz. 1.50:1 26 TO 40 GHz. INSERTION LOSS: 0.50 dB MAX TO 40 GHz. WORKING VOLTAGE: 600 Vrms MAX @ SEA LEVEL DIELECTRIC WITHSTANDING VOLTAGE: 500 Vrms MIN. R.F. HiPOT VOLTAGE: 325 Vrms MIN @ 5MHz. CORONA LEVEL: 190 Vrms @ 70,000 ft. INSULATION RESISTANCE: 5000 MEGOHMS MIN. CONTACT RESISTANCE: CENTER CONTACT: 10.0 mOHM MAX. OUTER CONTACT: 2.0 mOHM MAX. R.F. LEAKAGE: -60 dB MAX AT 18 GHz.	MATING CHARACTERISTICS: INTERFACE PER MIL-STD-348. FORCE TO ENGAGE & DISENGAGE FOR SMK: TORQUE: 2 INCH-POUNDS MAX. LONGITUDINAL: NA. FORCE TO ENGAGE & DISENGAGE FOR SMP: ENGAGE: FULL DETENT: 15.0 lbs MAX. LIMITED DETENT: 10.0 lbs MAX. SMOOTH BORE: 2.0 lbs. MAX. DISENGAGE: FULL DETENT: 5.0 lbs MIN. LIMITED DETENT: 2.0 lbs MIN. SMOOTH BORE: .50 lbs. MIN. CENTER CONTACT RETENTION: 6 lbs MIN. AXIAL FORCE FOR SMK CONN. 1.5 lbs MIN AXIAL FORCE FOR SMP CONN. CONNECTOR DURABILITY: DEPEND ON DETENT.	TEMPERATURE RANGE: -65 °C TO +165 °C. THERMAL SHOCK: MIL-STD-202, METHOD 107, TEST COND. B. MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, 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(ES):			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.															
SMP FEMALE BODY, CENTER CONDUCTOR, EMI & ANTI-ROCK RINGS: GOLD PLATE PER ASTM B-488, TYPE II, CODE C, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290. SMK FEMALE BODY: (for -1): GOLD PLATE PER ASTM B-488, TYPE II, CODE C, OVER NICKEL UNDER PLATE PER AMS-QQ-N-290. (for -1SF & -1CCSF): PASSIVATE PER ASTM A-967 or SAE-AMS 2700.																		
			APPLICABLE Amphenol CDI DOCUMENTS					SEE ECO FOR APPROVAL SIGNATURES		- MATERIAL								
			<table><tr><td>WORK STANDARD</td><td>PROD INSTRUC</td><td>ASSY INSTRUC</td></tr><tr><td>NA</td><td>NA</td><td>NA</td></tr><tr><td></td><td></td><td></td></tr></table> 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.									WORK STANDARD	PROD INSTRUC	ASSY INSTRUC	NA	NA	NA	
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC																
NA	NA	NA																
						DRAWN BY		BRD		02/29/96								
										- SPECIFICATION Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703								
										TITLE SMP FEMALE STRAIGHT TO SMK (2.92mm) FEMALE, ADAPTER								
										SCALE 8:1								
										SHEET 1 OF 1								
										SIZE C CAGE CODE 30990 DRAWING NO. P909 REV. K								