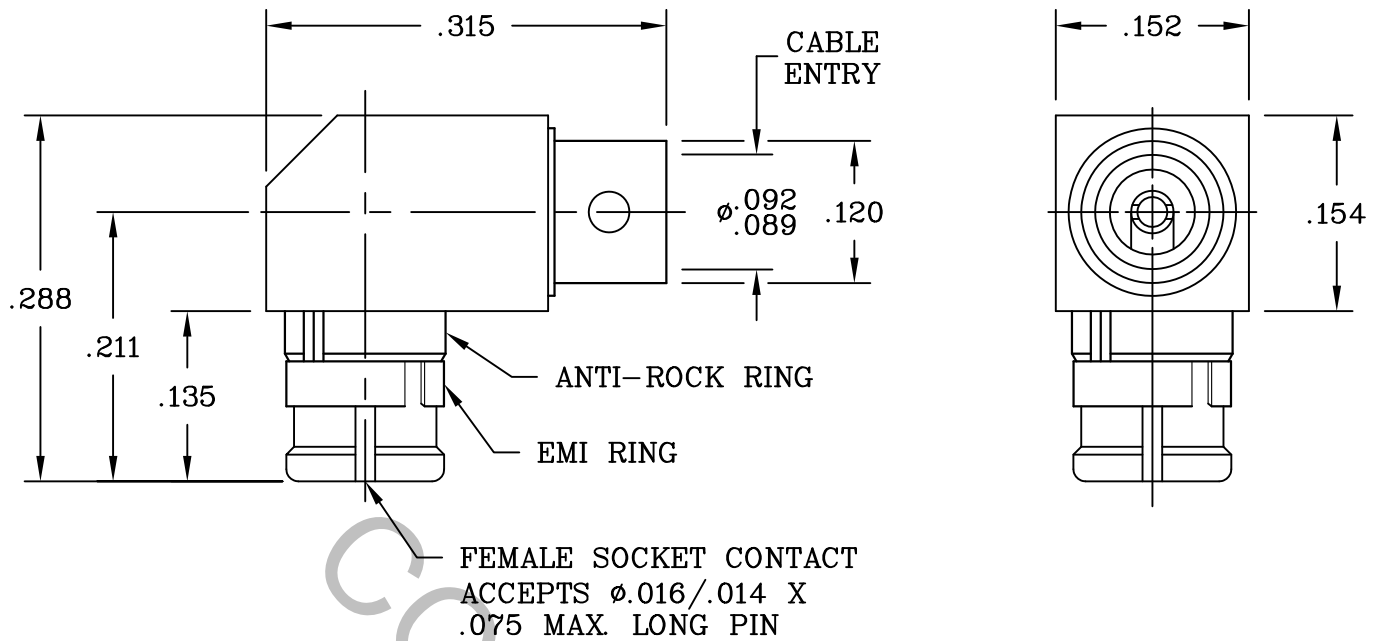


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 326-1 (SMP, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz.
VSWR (MAX.) *	DC TO 26.5 GHz., $1.05 + .010 \times \text{FGHz.}$ 26.5 TO 40 GHz., $1.10 + .015 \times \text{FGHz.}$
INSERTION LOSS (dB MAX.)*	DC TO 26.5 GHz., $.040 \text{ dB} \times \sqrt{\text{FGHz.}}$ 26.5 TO 40.0 GHz., $.050 \text{ dB} \times \sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	85 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	2,500
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	11-1866	9/28/11	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1 °	
				.XX ± .010	± 1/64	X ° X ± 15'	
AB	18-1944	8/23/18	DC	.XXX ± .005			
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN TS	DATE 9/28/11	TITLE SMP, FEMALE RIGHT ANGLE DIRECT SOLDER TO .085 S.R. LOW LOSS CABLE	
				APPROVED DC	DATE 9/28/11		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 2001-8720-5429	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ 2.0 IN. OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) _____ 15.0 *
- WITHDRAWAL (MIN. LBS.) _____ 5.0 *

CONNECTOR DURABILITY (MIN. MATING) _____ 500

* FULL DETENT/MALE

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 165 ° c)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, CENTER CONTACT, EMI RING AND ANTI-ROCK RING _____ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B

6. FINISH

CONNECTOR BODY, EMI RING AND ANTI-ROCK RING _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.).

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.).

INSULATOR _____ N/A