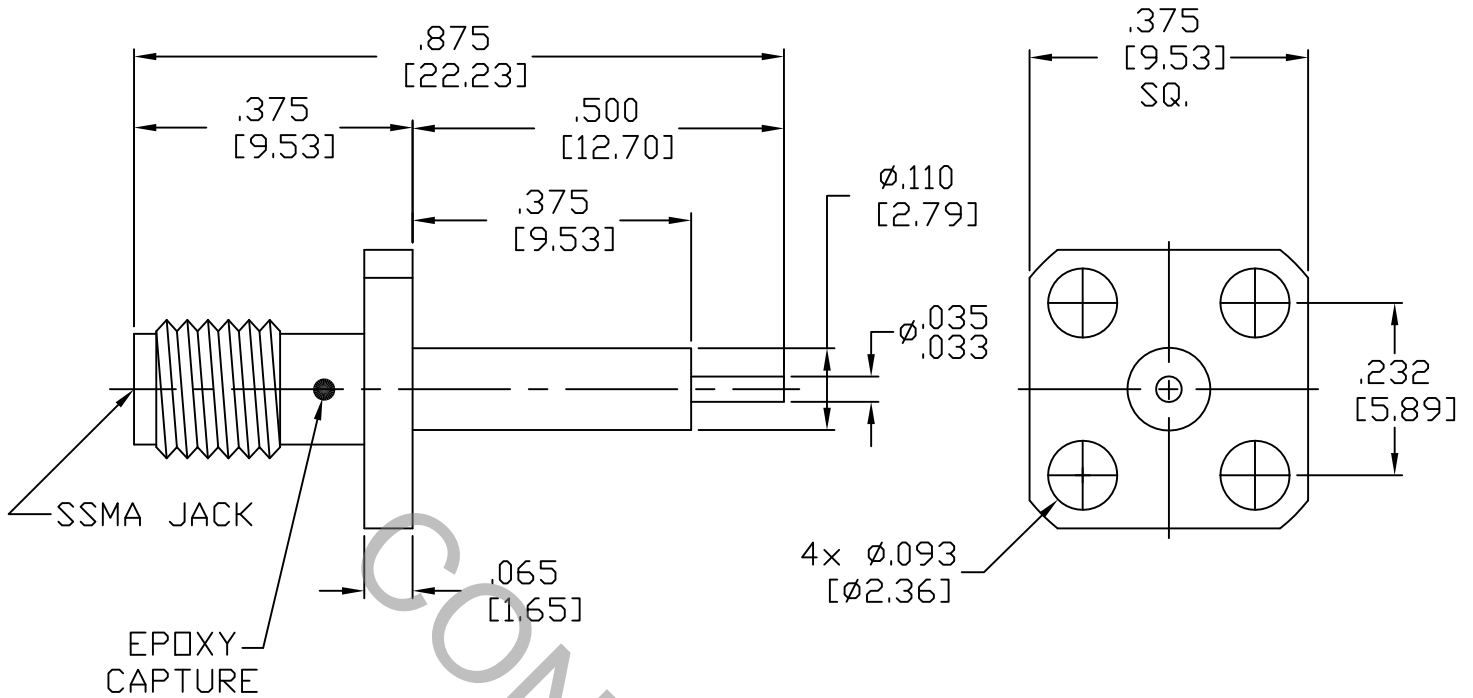


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SSMA JACK per MIL-STD-348A Fig. 319.2

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 38.0 GHz
VSWR (MAX.) *	1.10 + .008 x FGHz
INSERTION LOSS (dB MAX.) *	.045 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	90 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO + 165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
AA	09-1362	4/28/09	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1 °	TITLE SSMA, JACK 4 HOLE FLANGE STRAIGHT TERMINAL
				.XX ± .010	±/64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN TS	DATE 4/28/09		DWG. NO. 9354-0032-6402
				APPROVED DC	DATE 4/28/09		
				CODE IDENT. 2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN. OZS.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 6 - 8 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM 582, TYPE 303, COND. A.

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M, COPPER ALLOY No. C17300, TEMPER TD04.

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

6. FINISH

BODY _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MINIMUM THICKNESS) OVER NICKEL, PER QQ-N-290, CLASS 1 (.000050 MINIMUM THICKNESS) OVER COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

CONTACT _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 MINIMUM THICKNESS) OVER NICKEL, PER QQ-N-290, CLASS 1 (.000050 MINIMUM THICKNESS) OVER COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

INSULATOR _____ N/A