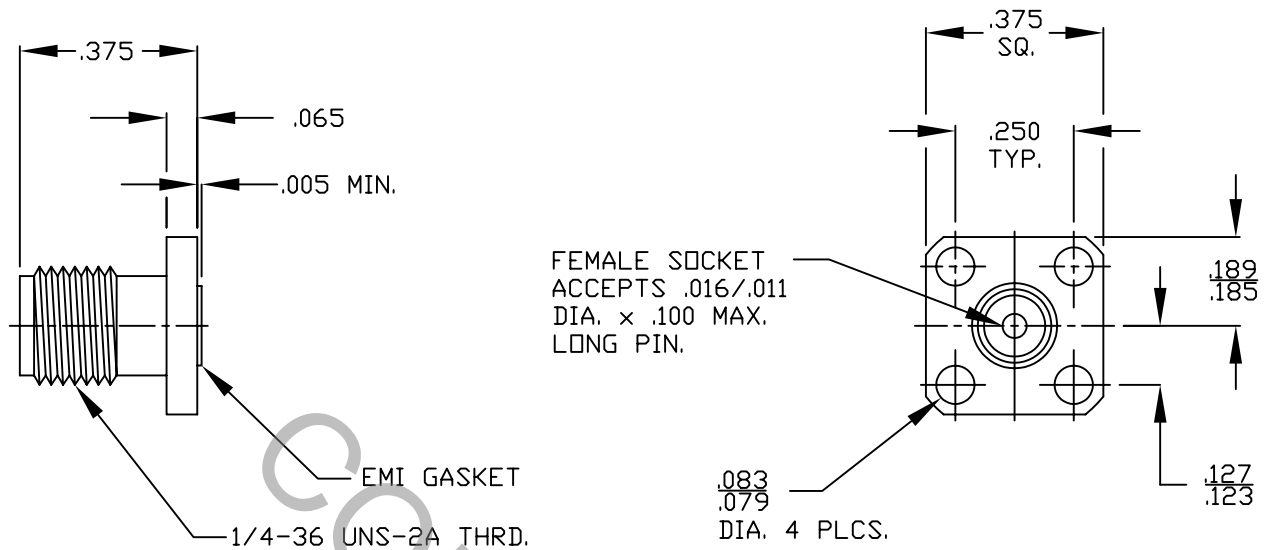


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) *	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.03 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	- 65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			Haverhill, MA 01835
AA	06-2426	11/28/06	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD-10}}$.			TITLE FIELD REPLACEABLE SMA, JACK, 4 HOLE FLANGE 26.5 GHz
				DRAWN	TS	DATE 11/27/06	
				APPROVED	DC	DATE 11/27/06	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9954-0781-6417
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE _____ 6.0 LBS.
- MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX OUNCES) _____ INTERFACE 48.0, REAR 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN./LBS.

4. ENVIRONMENTAL

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

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 A 582, TYPE 303, COND. A.

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B 196M, COPPER ALLOY No. UNS C17300, TEMPER T004

INSULATOR _____ TEFLON PER ASTM D 1710, TYPE 2, GRADE 1, CLASS A

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE.

6. FINISH

BODY _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.)
OVER ELECTROLESS NICKEL PER MIL-C-26074, CLASS I (.000150 MIN. THK.)

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

INSULATOR _____ N/A

EMI GASKET _____ N/A