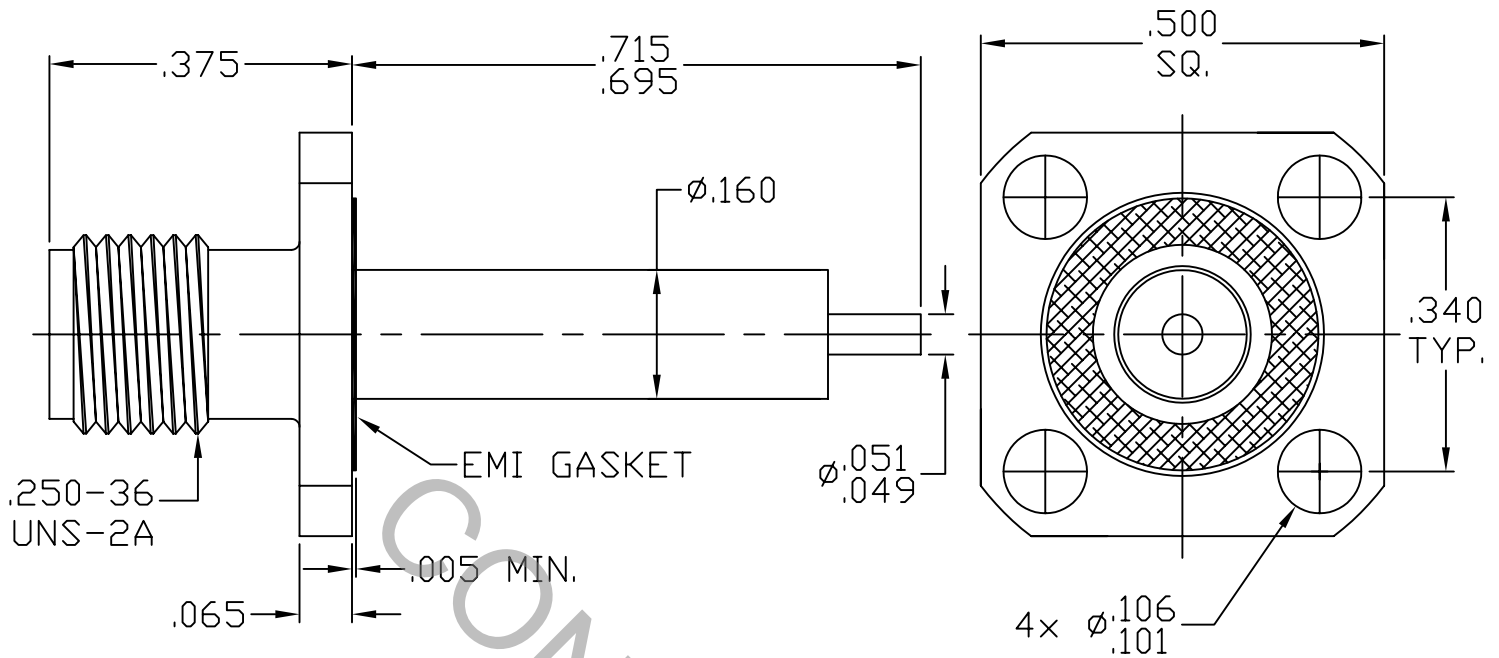


# SPECIFICATION CONTROL DRAWING




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

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.06 + .006 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.035 dB x √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)	_____	10,000
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	07-1581	5/31/07	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.x ± .030		x ° ± 1'0"	TITLE            SMA JACK 4 HOLE FLANGE MOUNT STRAIGHT TERMINAL (MECHANICALLY CAPTURED)
				.xx ± .010	± 1/64	x ° x' ± 15'	
				.xxx ± .005			
				DRAWN	DC	DATE	5/31/07
				APPROVED	DC	DATE	5/31/07
				CODE IDENT.		SHEET	1 OF 2
				2J899		DWG. NO.	9954-0731-6250

# 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) \_\_\_\_\_ 32.0 OZ.

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0 OZ.

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 °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. ) ( 190 VRMS )

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY  
No. UNS C 17300, TEMPER TD04

EMI GASKET \_\_\_\_\_ SILVER PLATED ALUMINUM IN SILICONE

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

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE II

CONTACT \_\_\_\_\_ GOLD PER ASTM-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 & EMI GASKET \_\_\_\_\_ N/A