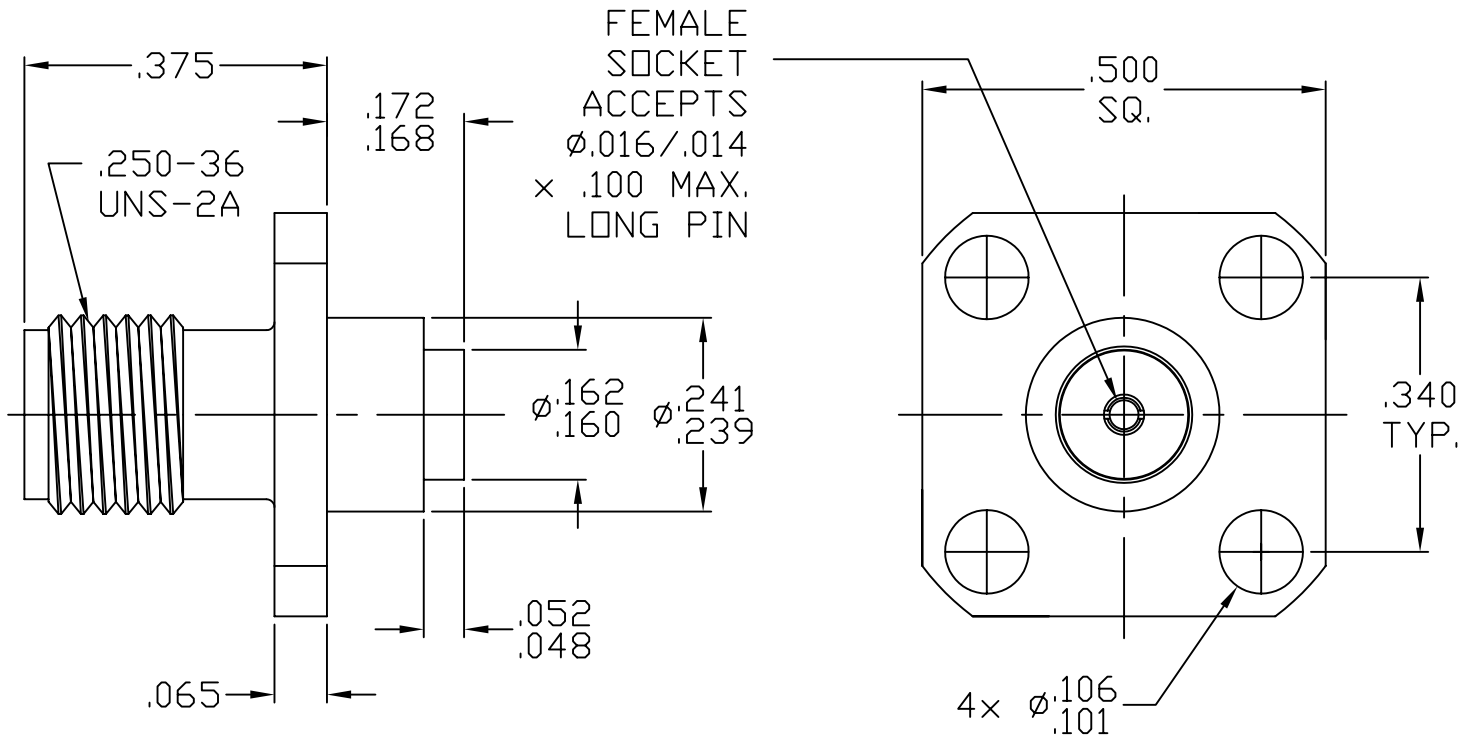


SPECIFICATION CONTROL DRAWING



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.) *	_____	$1.10 + .010 \times \sqrt{\text{FGHz}}$
INSERTION LOSS (dB MAX.) *	_____	$.03 \text{ dB} \times \sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	410
RF LEAKAGE (MIN. dB DOWN)	_____	$-100 \text{ dB} - \text{FGHz}$
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	$-65^\circ \text{ C TO } +165^\circ \text{ C}$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,250
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

RoHS
COMPLIANT

*TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES				 HAVERHILL MA. 01835
-	671	5/89	DGG	DECIMALS	FRACTIONAL	ANGULAR		
A	691	8/89	DGG	$.X \pm .030$ $.XX \pm .010$ $.XXX \pm .005$	$\pm 1/64$	$X^\circ \pm 1'0''$ $X^\circ X' \pm 15''$		
AA	08-1870	10/8/08	DC	DRAWN	RF	DATE	5/89	TITLE SMA JACK 4 HOLE FLANGE MOUNT FIELD REPLACEABLE
				APPROVED	DGG	DATE	5/89	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9954-0081-6266
				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 32.0 OZ. / REAR 32.0 OZ.

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 OZ. / REAR 1.0 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.) (310 VRMS)

5. MATERIAL

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

CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY
UNS C 17300, TEMPER HT

INSULATOR _____ TEFLON PER ASTM-D-1710

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE II

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.00010 Min.Thk.) OVER NICKEL per QQ-N-290,
(.000050 Min. Thk.) OVER COPPER per MIL-C-14550,
(.000010 Min. Thk.).

INSULATOR _____ N/A