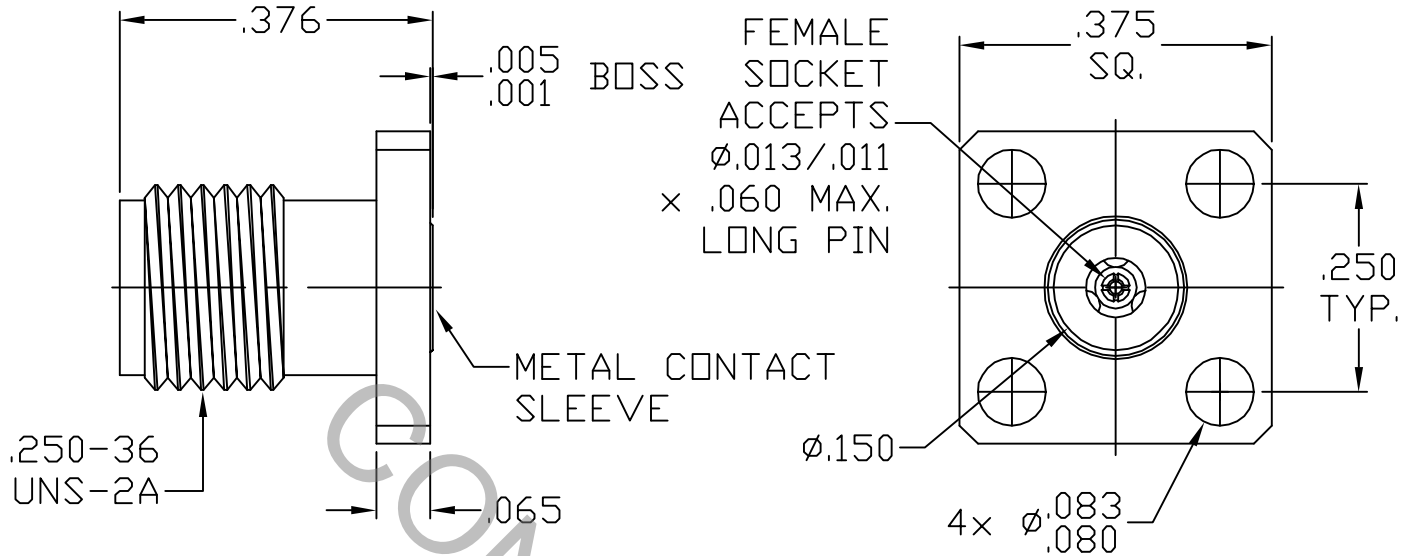


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.92mm JACK per MIL-STD-348A FIG. 323.2

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	$1.05 + .01 \times \text{FGHz}$
INSERTION LOSS (dB MAX.)	_____	$.03 \text{ dB} \times \sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	$-65^{\circ} \text{C TO } +125^{\circ} \text{C}$
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			INCORPORATED HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	03-1527	4/23/03	DC	$.X \pm .030$		$X^{\circ} \pm 1^{\circ} 0'$	TITLE <b>2.9mm JACK,                  4 HOLE FLANGE MOUNT                  FIELD REPLACEABLE</b>
AB	07-1360	4/4/07	DC	$.XX \pm .010$	$\pm 1/64$	$X^{\circ} X' \pm 15''$	
				$.XXX \pm .005$			
				DRAWN: DC	DATE: 4/23/03		
				APP.: DC	DATE: 4/23/03		
				CODE IDENT. <b>2J899</b>	SHEET 1 OF 2	DWG. NO.	9554-0085-6203

# 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 AND REAR 32.0  
● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0, REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. 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 ( -25 ° TO + 125 °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. ) ( 190VRMS )

## 5. MATERIAL

CONNECTOR BODY & CONTACT SLEEVE \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY No. C17300  
TEMPER TD04.

INSULATOR \_\_\_\_\_ PLASTIC COMPOSIT

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2

CONTACT SLEEVE \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
(.000050 Min. Thk.) OVER NICKEL per QQ-N-290  
(.000050 Min. Thk.) OVER WOODS OR WATTS NICKEL  
(.000010 Min. Thk.).

CONTACTS \_\_\_\_\_ GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS .75  
(.000030 Min. Thk.) OVER NICKEL per QQ-N-290, CLASS 1  
(.000050 Min. Thk.) OVER COPPER PER MIL-C-14550  
(.000010 Min. Thk.).

INSULATORS \_\_\_\_\_ N/A