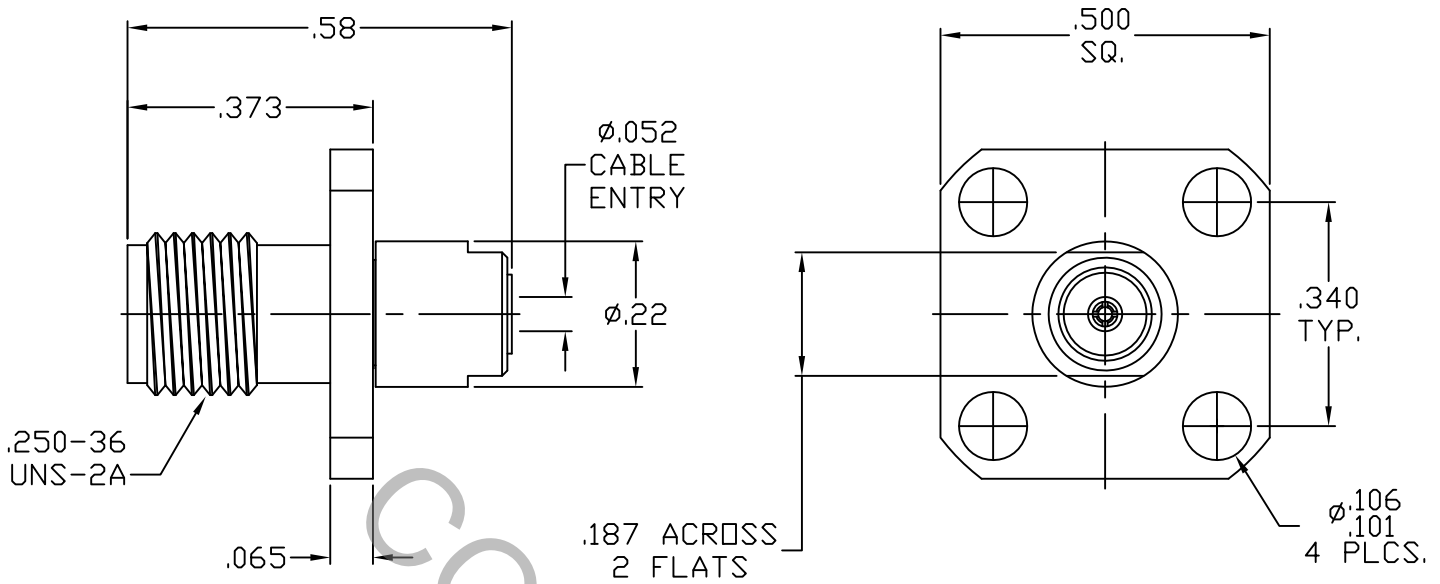


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 323.2 (2.92mm, SMK, JACK)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) *	1.15 + .01 x FGHz
INSERTION LOSS (dB MAX.)	.06 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 + 125°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

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	09-1368	4/28/09	TS	DECIMALS      FRACTIONAL      ANGULAR .X ± .030                      X ± f 0' .XX ± .010                      ±/64                      X X' ± 15' .XXX ± .005	<b>TITLE</b> 2.9mm JACK, 4 HOLE FLANGE, SOLDER CLAMP TO Ø.047 SEMI-RIGID
				DRAWN: TS      DATE: 4/28/09 APP.: DC      DATE: 4/28/09	
				CODE IDENT.      SHEET 1 OF 2 2J899	
					DWG. NO.      9554-4741-6200

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
MAX. AXIAL FORCE \_\_\_\_\_ 4.5 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. IN. LBS.) \_\_\_\_\_ 2.0  
CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
RRECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND° C ( -65° c 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. ) (190 VRMS )

## 5. MATERIAL

CONNECTOR BODY & SLEEVE \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A  
CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.  
INSULATOR \_\_\_\_\_ PLASTIC COMPOSIT

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2  
CONTACTS \_\_\_\_\_ 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.).  
REAR SLEEVE \_\_\_\_\_ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
(.000050 Min. Thk.) OVER NICKEL per QQ-N-290  
(.000100 Min. Thk.) OVER COPPER per MIL-C-14550  
(.000010 Min. Thk.).  
INSULATOR \_\_\_\_\_ N/A