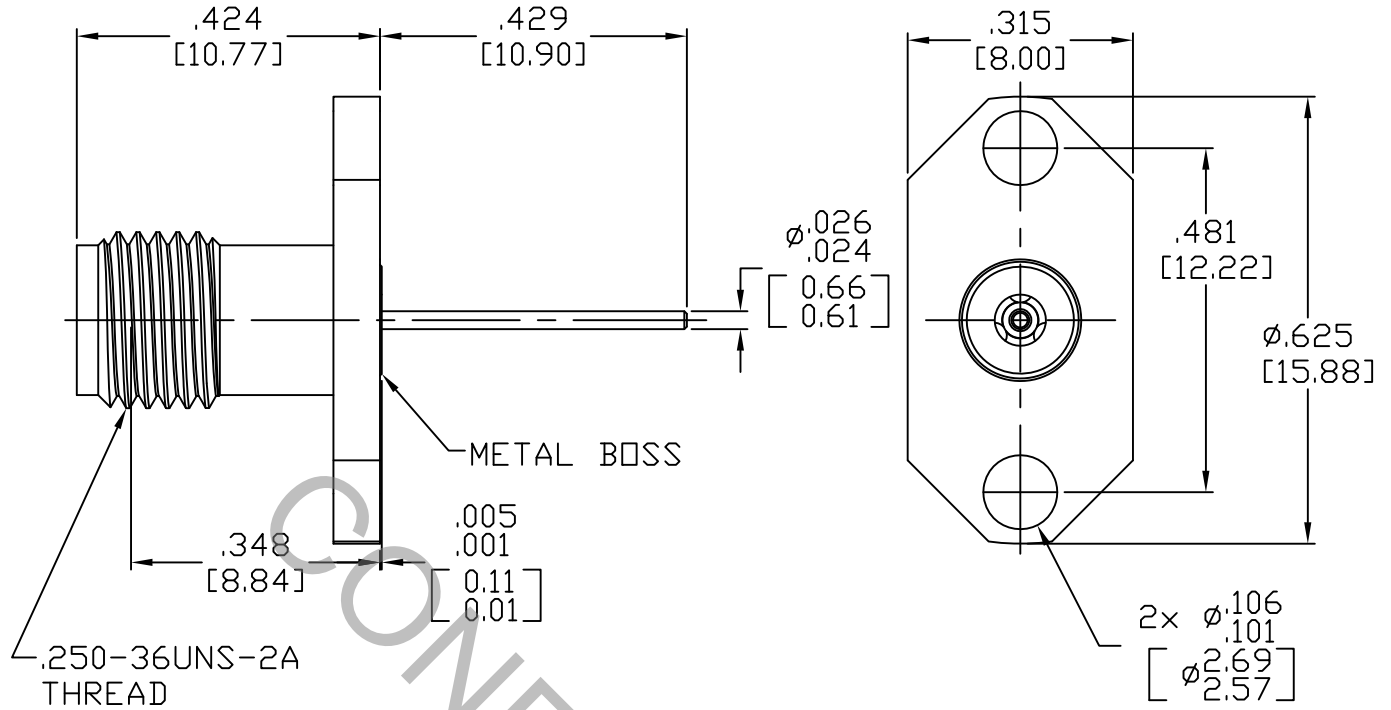


SPECIFICATION CONTROL DRAWING



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.) *	_____	1.07 + .007 x FGHz
INSERTION LOSS (dB MAX.)	_____	.04 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 + 125°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

RoHS

This Document contains proprietary and confidential information. COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	16-1767	6/23/16	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X + .030		$X^{\circ} \pm 1^{\circ} 0'$	TITLE 2.9mm JACK, 2 HOLE FLANGE MOUNT STRAIGHT TERMINAL
				.XX + .010	± 1/64	$X^{\circ} X' \pm 15'$	
				.XXX ± .005			
				DRAWN: TS	DATE: 6/23/16		
				APP.: DC	DATE: 6/23/16		DWG. NO. 9552-0036-6202
				CODE IDENT.	SHEET 1 OF 2		
				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) _____	32.0
● WITHDRAWAL (MIN. OUNCES) _____	2.0
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 (-25 °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 & CONTACT SLEEVE _____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACTS _____	BERYLLIUM COPPER PER ASTM B 196/B, 196-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.
INSULATOR _____	PLASTIC COMPOSIT

6. FINISH

BODY AND METAL BOSS _____	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
METAL BOSS _____	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS .75 (.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290 CLASS 1, (.000050 MIN. THK.) OVER COPPER PER AMS 2418, (.000010 MIN.THK.).
CONTACTS _____	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290 CLASS 1, (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.).
INSULATOR _____	N/A