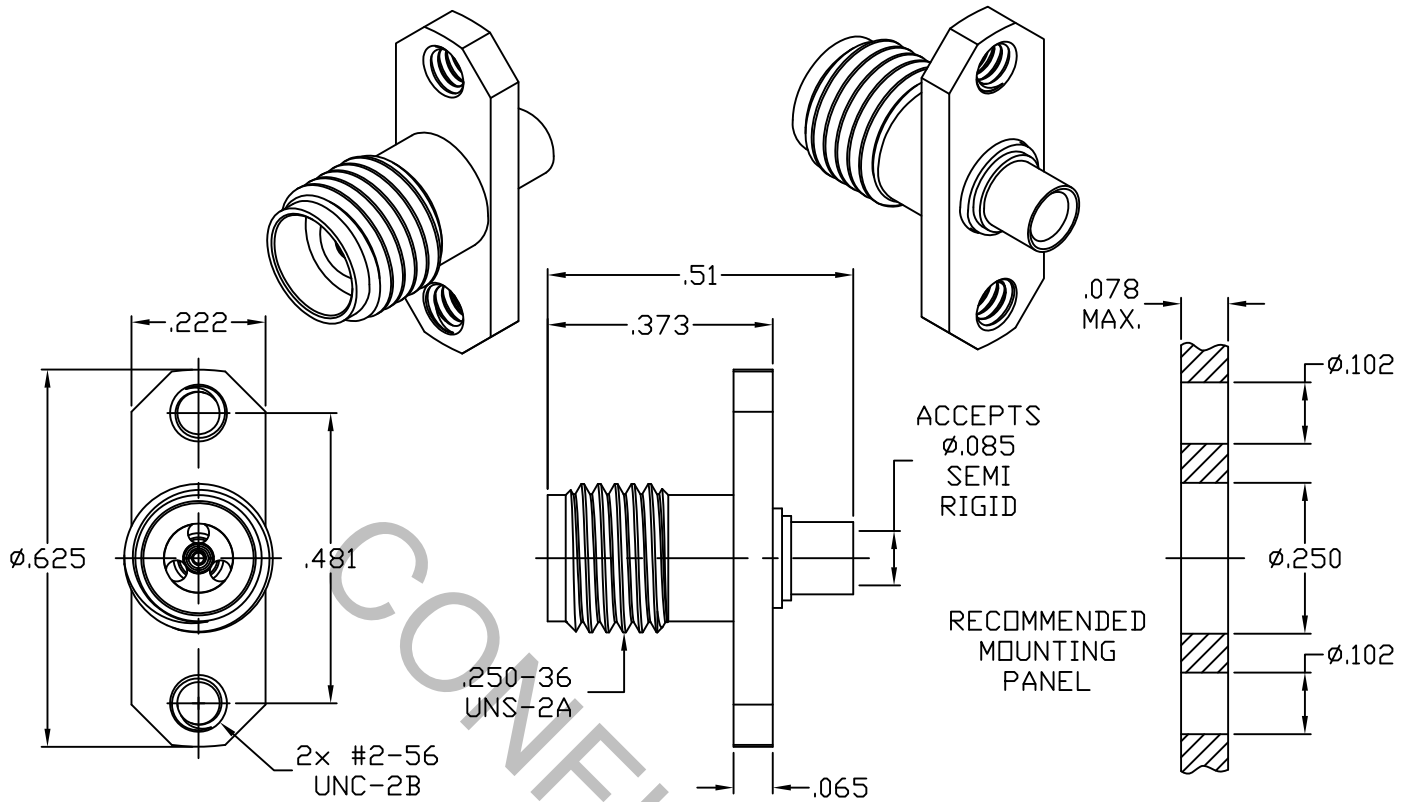


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.9mm (SMK) JACK per MIL-STD-348-323.2

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.05 + .01 x FGHz
INSERTION LOSS (dB MAX.)	_____	.03 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)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	18-1286	3/6/18	DC	DECIMALS FRACTIONAL ANGULAR .X ± .030 X° ± 1°, 0' .XX ± .010 ± 1/64 X°, X' ± 15' .XXX ± .005	
				DRAWN: DC DATE: 3/6/18	TITLE 2.9mm JACK, 2 HOLE THREADED FLANGE, DIRECT SOLDER, Ø.085 SEMI-RIGID
				APP.: DC DATE: 3/6/18	
				CODE IDENT.	DWG. NO. 9552-8525-6210
				2J899	
				SHEET 1 OF 2	

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. 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 AMS-5640, TYPE 303, COND. A
CONTACTS _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.
FILLER INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE I, GRADE 1, CLASS B.
INSULATOR BEAD _____ PLASTIC COMPOSITE

6. FINISH

CONNECTOR BODY & C/NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
CONTACTS & SLEEVE _____ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 0.75
(.000030 Min. Thk.) OVER NICKEL per SAE AMS-QQ-N-290, CLASS 1
(.000050 Min. Thk.) OVER COPPER per AMS-2418
(.000010 Min. Thk.).
INSULATORS _____ N/A