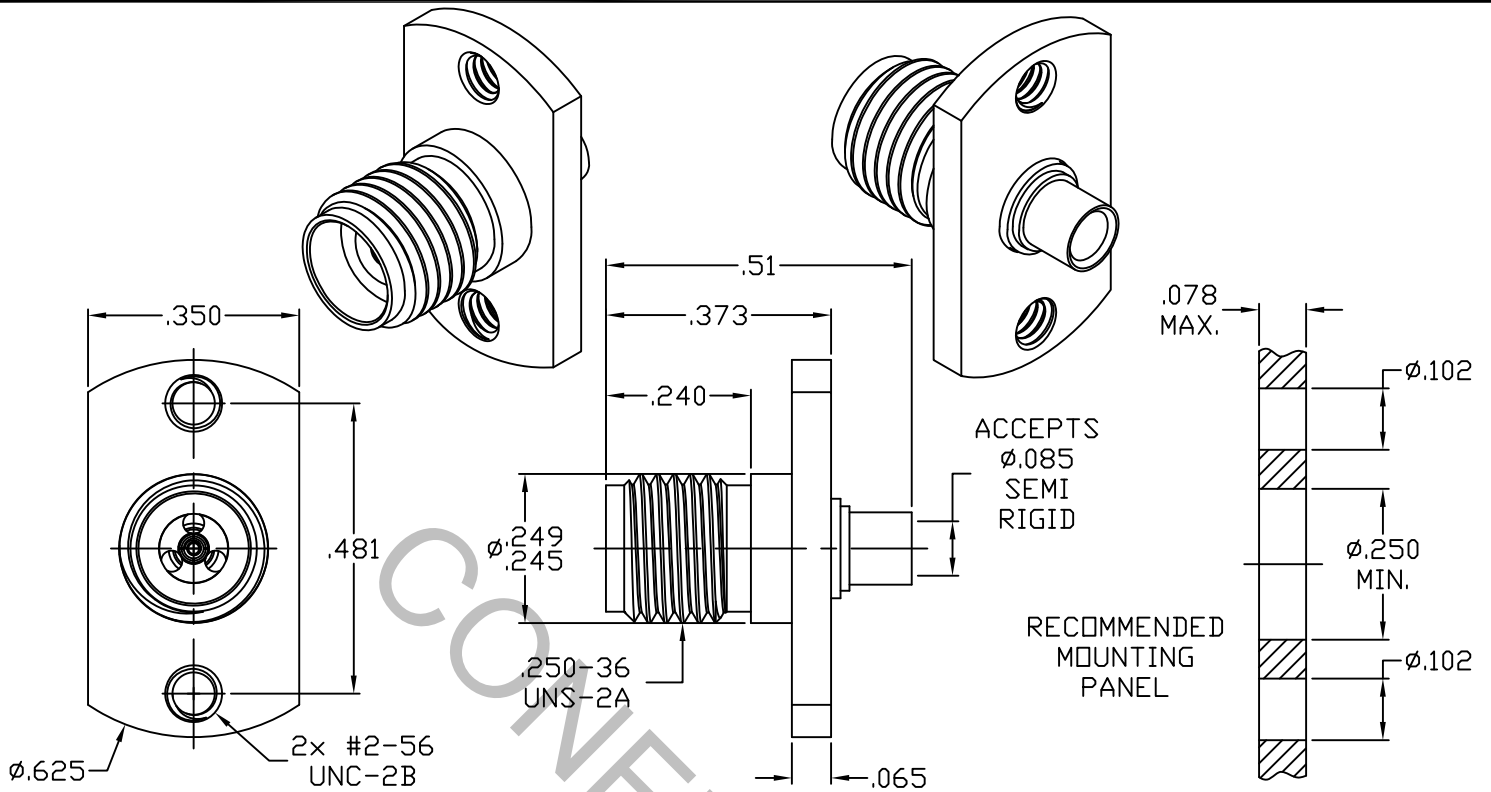


SPECIFICATION CONTROL DRAWING



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)	_____	5,000
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	18-1334	3/26/18	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X° ± 1°, 0'	TITLE 2.9mm JACK, 2 HOLE THREADED FLANGE, DIRECT SOLDER, Ø.085 SEMI-RIGID
				.XX ± .010	± 1/64	X°, X' ± 15'	
				.XXX ± .005			
				DRAWN: DC DATE: 3/26/18			
				APP.: DC DATE: 3/26/18			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9552-8525-6211
				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 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 1, 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