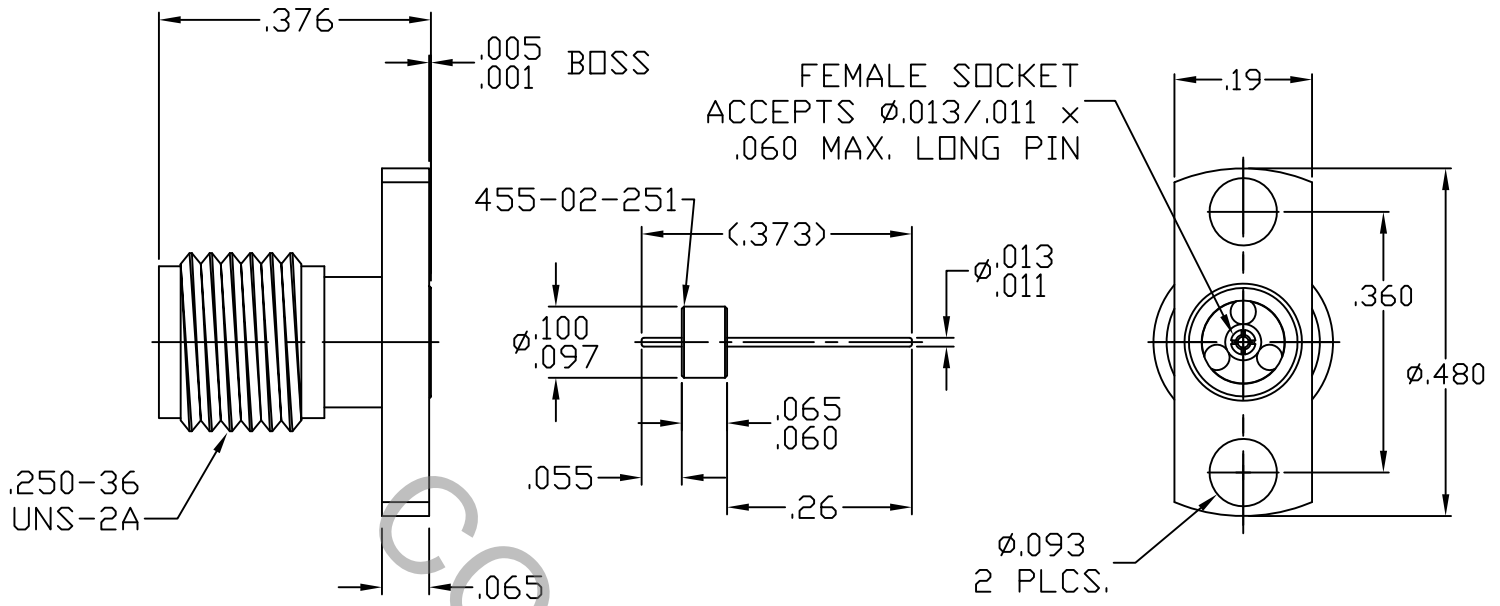


SPECIFICATION

CONTROL

DRAWING



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

RoHS

This Document contains proprietary and confidential information. **COMPLIANT**

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	16-2604	12/21/16	TS	.X±.030		X±1 Ø	
AB	17-1017	1/4/17	TS	.XX±.010	± 1/64	X X'±5'	
				DRAWN: TS DATE: 12/21/16			TITLE 2.92mm JACK, 2 HOLE FLANGE MOUNT WITH .012 DIA. FEEDTHRU
				APP.: DC DATE: 12/21/16			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9552-0012-3200
				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

BODY & PRESS SLEEVE	STAINLESS STEEL PER ASTM-A-479, TYPE 316L
CONTACT	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR	PLASTIC COMPOSIT
GLASS RING AND PIN	KOVAR PER MIL-I-23011.
GLASS	CORNING 7052
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

BODY	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
FEED THRU	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL per MIL-P-27418 (.000100 MIN. THK.) OVER NICKEL, WOODS OR WATTS (.000010 MIN. THK.)
CONTACT & PRESS SLEEVE	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000500 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.) (.000010 MIN. THK.)
INSULATOR, & GLASS	N/A