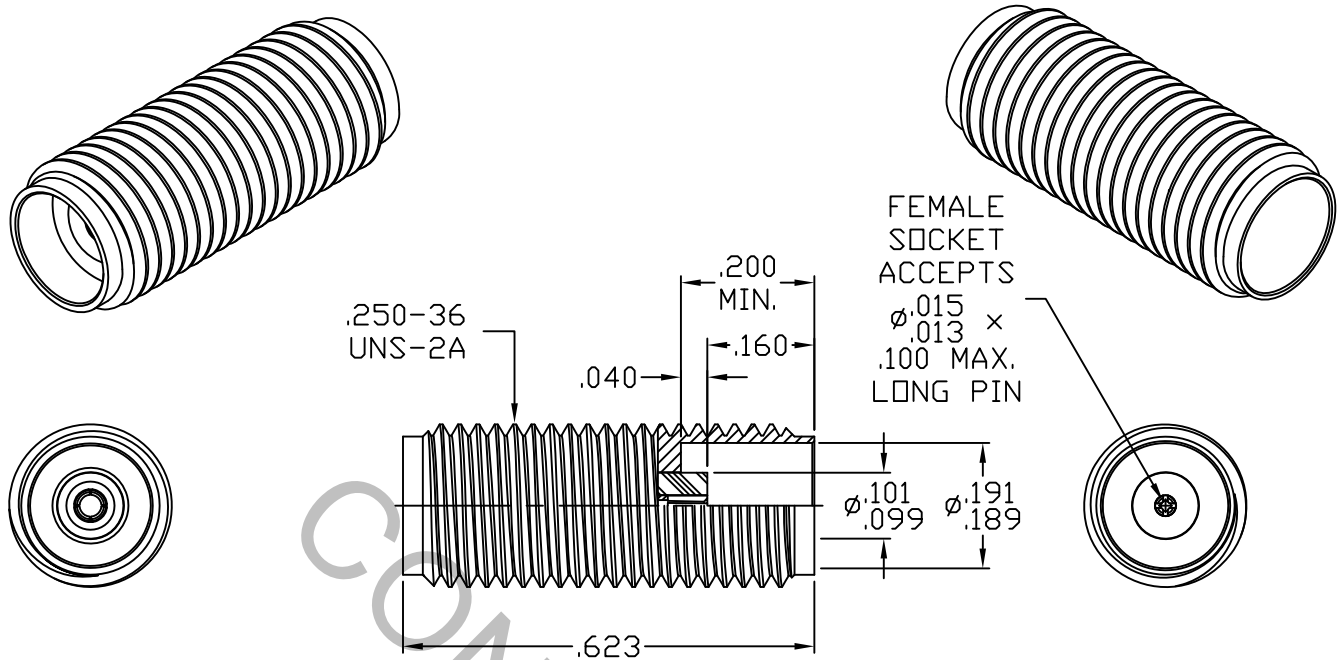


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.92mm, SMK PLUG per MIL-STD-348A FIG. 323.2

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.10 + .010 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 + 150°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
● CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
● OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	15-2503	10/22/15	TS	.X <sup>+</sup> .030		X ± 1 Ø	<b>TITLE</b>  2.9mm, JACK THREAD-IN, AIR CAVITY, ACCEPTS .014 PIN
AB	15-2784	12/14/15	TS	.XX <sup>+</sup> .010	± 1/64	X' X' ± 15'	
AC	16-1408	3/28/16	DC	.XXX <sup>+</sup> .005			
				DRAWN: TS	DATE: 10/22/15		
				APP.: DC	DATE: 10/22/15		
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9530-0681-6203

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX. AXIAL FORCE _____	4.0 LBS.
MAX. RADIAL TORQUE _____	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES) _____	INTERFACE 32.0, REAR 32.0
● WITHDRAWAL (MIN. OUNCES) _____	INTERFACE 1.0, 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 ( -25 ° c TO + 100 ° 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 _____	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACT _____	BERYLLIUM COPPER PER ASTB B196/B, 196M-03, COPPER ALLOY No. C17300, TEMPER TD04.
INSULATOR _____	TEFLON PER ASTM -D -1710-02, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

CONNECTOR BODY _____	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
CONTACT _____	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