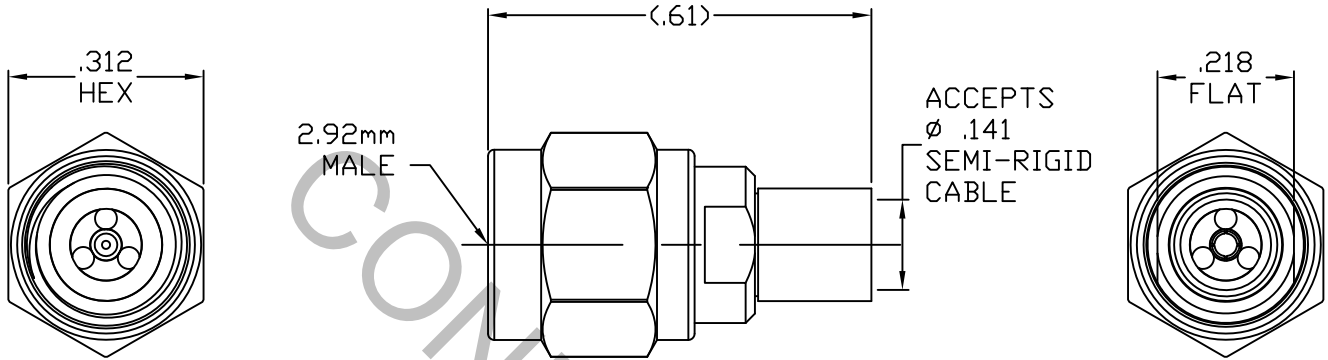
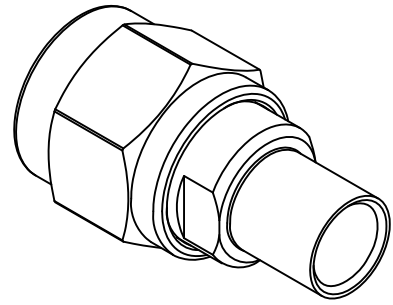
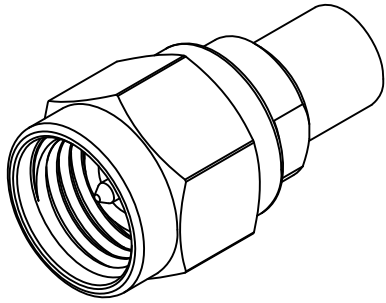


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 323.1 (SMK, PLUG)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 34.0 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

**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
AA	18-1272	3/5/18	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X+ .030		X° ± P'	TITLE 2.9mm, MALE, STRAIGHT DIRECT SOLDER TO Ø .141 SEMI-RIGID CABLE
				.XX ± .010	± 1/64	X° X' ± 15'	
				.XXX ± .005			
				DRAWN: MS	DATE: 3/5/18		DWG. NO. 9400-4125-6210
				APP.: DC	DATE: 3/5/18		
				CODE IDENT. 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)	N/A
● WITHDRAWAL (MIN. OUNCES)	N/A
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

BODY, PRESS SLEEVE & COUPLING NUT	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACTS & RETAINING RING	BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR	CROSS LINKED POLYSTYRENE. MEETS TML ≤1.0% AND CRCM ≤0.10%.
GASKET	SILICONE RUBBER PER A-A-59588. MEETS TML ≤1.0% AND CRCM ≤0.10%.

## 6. FINISH

BODY & COUPLING NUT	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
CONTACTS	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 0.75 (.000030-.000055 THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050-.000075 THK.) OVER COPPER PER AMS-2418, (.000010 MIN. THK.).
PRESS SLEEVE	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
INSULATOR, GASKET & RETAINING RING	N/A