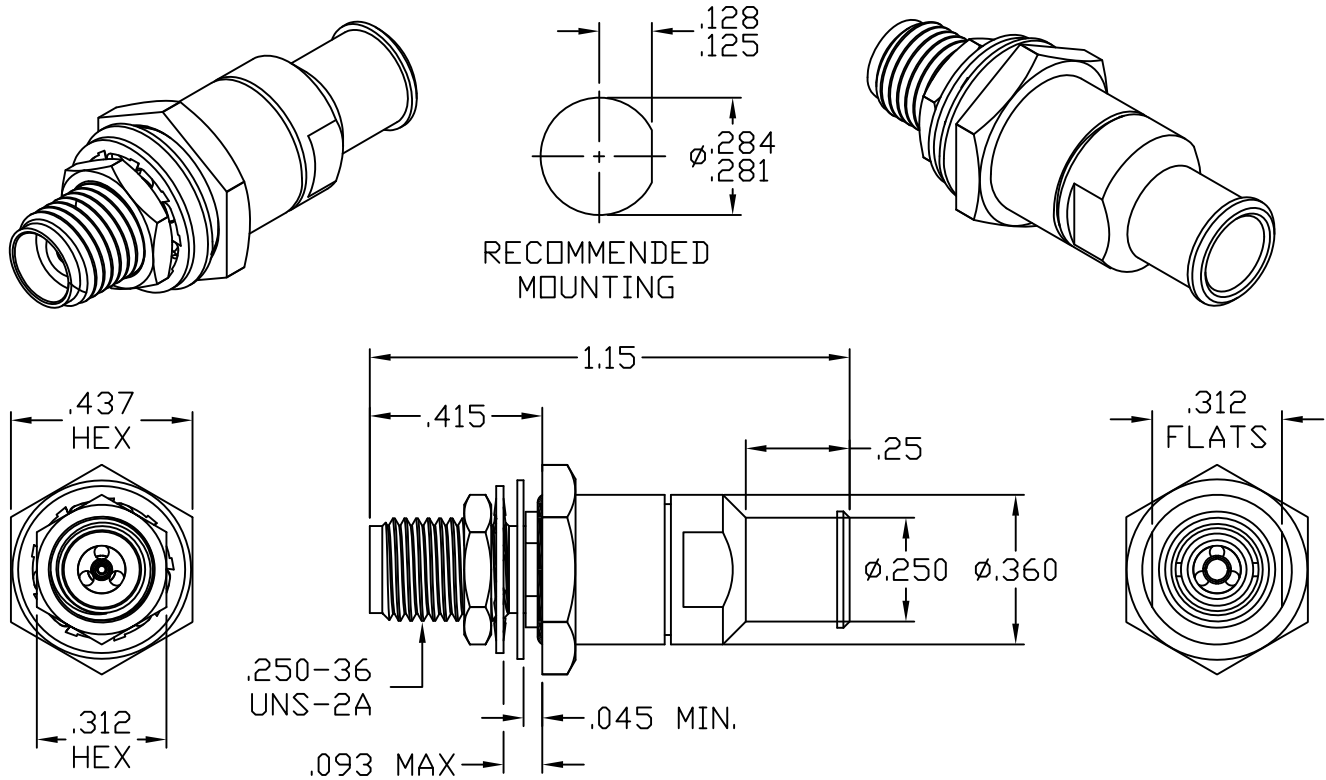


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 323.2 (SMK JACK).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 33.0 GHz
VSWR (MAX) *	_____	1.04 + .005 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 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 + 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				 CABLE INCORPORATED HAVERHILL, MA 01835	
AA	15-1667	5/1/15	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1'0" X ° X' ± 15"			
				DRAWN	RMS	DATE	5/1/15	TITLE 2.92mm JACK, BULKHEAD, SOLDER CLAMP, PLUG-IN CONTACT, T7-00204 LOW LOSS	
				APPROVED	DC	DATE	5/1/15		
				CODE IDENT. 6DZL5		SHEET 1 OF 2		DWG. NO.	9510-7204-6245

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
 MAX AXIAL FORCE \_\_\_\_\_ 4.5 LBS.  
 MAX RADIAL TORQUE \_\_\_\_\_ N/A  
 CENTER CONTACT AXIAL FORCES  
 ● INSERTION (MAX. OUNCES) \_\_\_\_\_ 32.0  
 ● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0  
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0  
 CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
 RECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.  
 RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 18 - 22 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 107, 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, BUSHING, CLAMP NUT & HEX NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
 LOCKWASHER \_\_\_\_\_ 410 SERIES STAINLESS STEEL  
 WASHER \_\_\_\_\_ 300 SERIES STAINLESS STEEL  
 CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.  
 INSULATOR BEAD \_\_\_\_\_ PLASTIC COMPOSITE  
 SOLDER SLEEVE \_\_\_\_\_ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.  
 O-RINGS \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765.

## 6. FINISH

BODY, BUSHING, CLAMP NUT, LOCKWASHER, \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.  
 HEX NUT & WASHER  
 SOLDER 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 COPPER PER AMS-2418  
 (.000010 MIN. THK.)  
 CONTACTS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75  
 (.000030 MIN. THK.) OVER NICKEL per SAE AMS-QQ-N-290  
 (.000050 MIN. THK.) OVER COPPER per AMS-2418  
 (.000010 MIN. THK.)  
 INSULATOR & O-RINGS \_\_\_\_\_ N/A