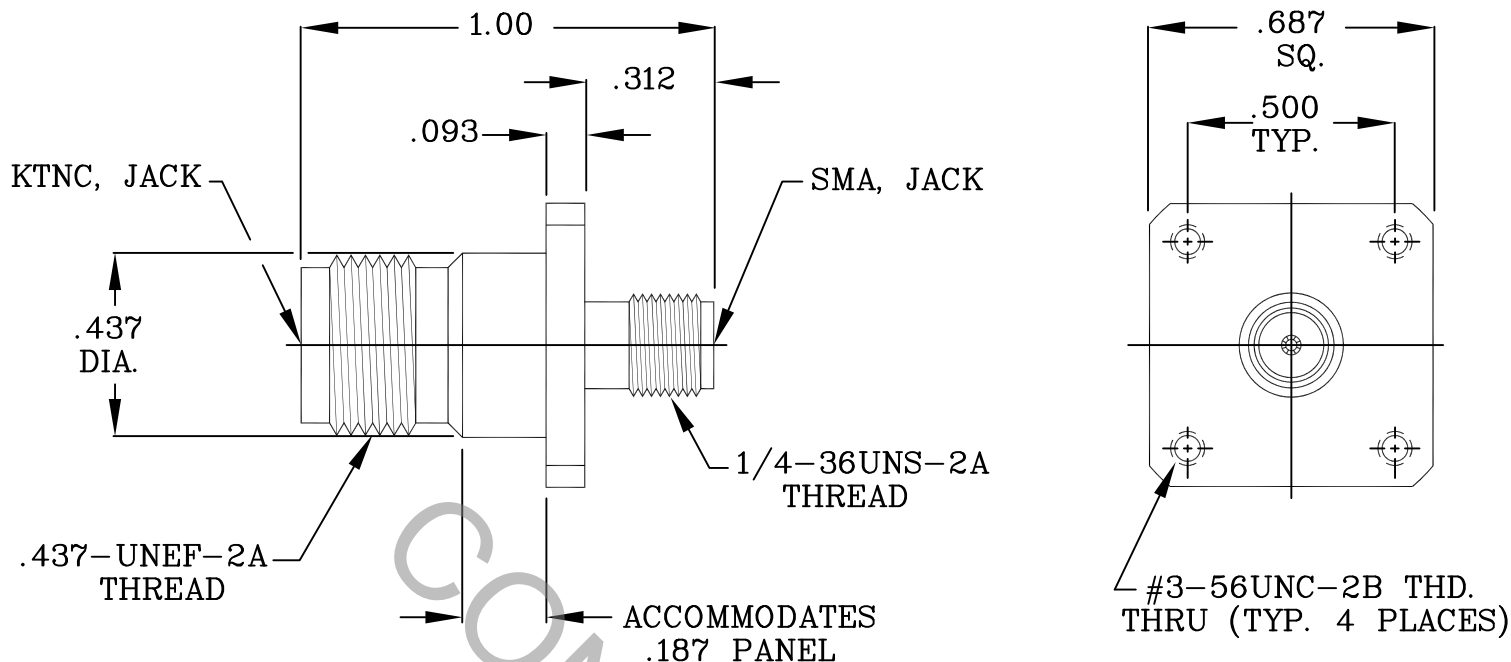


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK AND MIL-STD-348 (Fig. 313.2) TNC, JACK.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX) *	_____	1.07 + .015 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.045 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL, MA 01835
AA	07-1628	6/21/07	TS	DECIMALS      FRACTIONAL      ANGULAR .X ± .030                  1/64                  X° ± 1' 0" .XX ± .010                                           X° X' ± 15" .XXX ± .005	<b>TITLE</b> KTNC, JACK TO SMA, JACK 4 HOLE BULKHEAD MOUNT ADAPTER
AB	11-1133	2/10/11	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ .	
				DRAWN TS      DATE 6/21/07	<b>DWG. NO.</b> 1154-8599-6253
				APPROVED DC      DATE 6/21/07	
				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 MATING FORCES  
● INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0  
● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0  
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) \_\_\_\_\_ 2.0  
CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

## 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. ) ( 125 VRMS )

## 5. MATERIAL

CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-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 ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.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