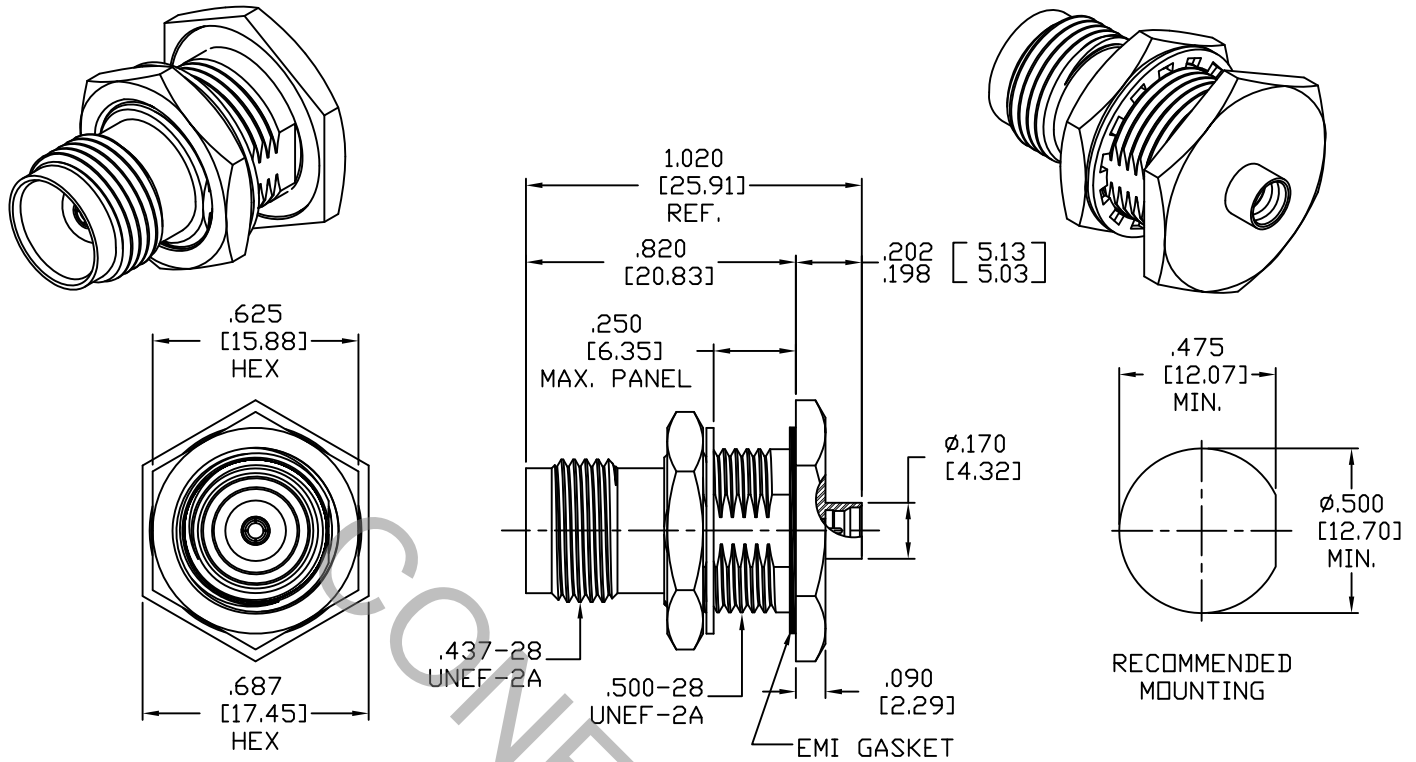


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 313.2 (TNC JACK) AND MIL-STD-348 Fig. 326.3 (SMP MALE) LIMITED DETENT.
2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	167
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
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			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	13-2473	10/29/13	TS	.X ± .030		X ° ± 1° 0'	TITLE <b>TNC JACK                  BULKHEAD TO SMP                  MALE (LD) ADAPTER</b>
AB	13-2492	10/31/13	TS	.XX ± .010 .XXX ± .005	± 1/64	X ° X' ± 15'	
				DRAWN TS	DATE 10/29/13		DWG. NO. 1117-2185-6201
				APPROVED DC	DATE 10/29/13		
				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) \_\_\_\_\_ TNC INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ TNC INTERFACE 2.0

CONNECTOR ENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0 TNC, 10.0 SMP

CONNECTOR DISENGAGEMENT (MIN. LBS.) \_\_\_\_\_ N/A TNC, 2.0 SMP

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 250

RECOMMENDED MATING TORQUE \_\_\_\_\_ TNC 15 - 18 IN. LBS.

RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ TNC 25 - 30 IN. LBS.

## 4. ENVIRONMENTAL

THERMAL SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 107, COND. B ( -65° c TO +165° 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

BODY & HEX NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY  
No. UNS-C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

EMI GASKET \_\_\_\_\_ PER MIL-DTL-83528E, TYPE D, SILVER PLATED ALUMINUM  
IN FLUOROSILICONE

## 6. FINISH

BODY, HEX NUT & LOCKWASHER \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CONTACT \_\_\_\_\_ 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  
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 \*.000010 MIN. THK.)

INSULATOR & EMI GASKET \_\_\_\_\_ N/A