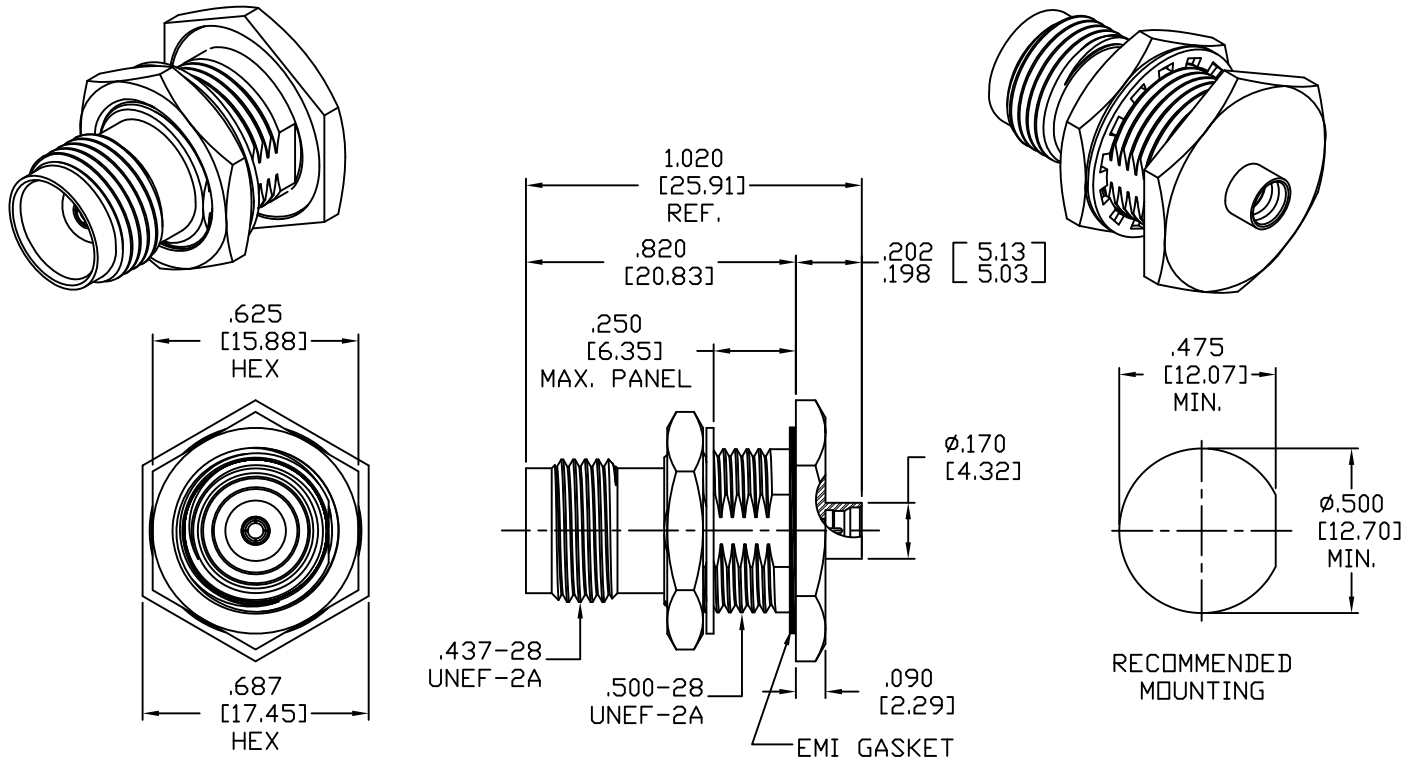


SPECIFICATION CONTROL DRAWING



- MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 313.2 (TNC JACK) AND MIL-STD-348 Fig. 326.3 (SMP MALE) LIMITED DETENT.
- 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	14-1744	6/18/14	TS	.X ± .030		X ° ± 1° 0'	TITLE TNC JACK BULKHEAD TO SMP MALE (LD) ADAPTER
AB	14-1767	6/24/14	TS	.XX ± .010	± 1/64	X ° X' ± 15'	
AC	14-1790	6/24/14	TS	.XXX ± .005			
				DRAWN TS	DATE 6/18/14		
				APPROVED DC	DATE 6/18/14		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1117-2185-3201	

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

CONNECTOR BODY & HEX NUT _____ STAINLESS STEEL PER ASTM-A-479, TYPE 316L

LOCKWASHER _____ 400 SERIES STAINLESS STEEL

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

CONNECTOR BODY, HEX NUT & LOCKWASHER _____ PASSIVATE PER AMS 2700, TYPE 6, 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