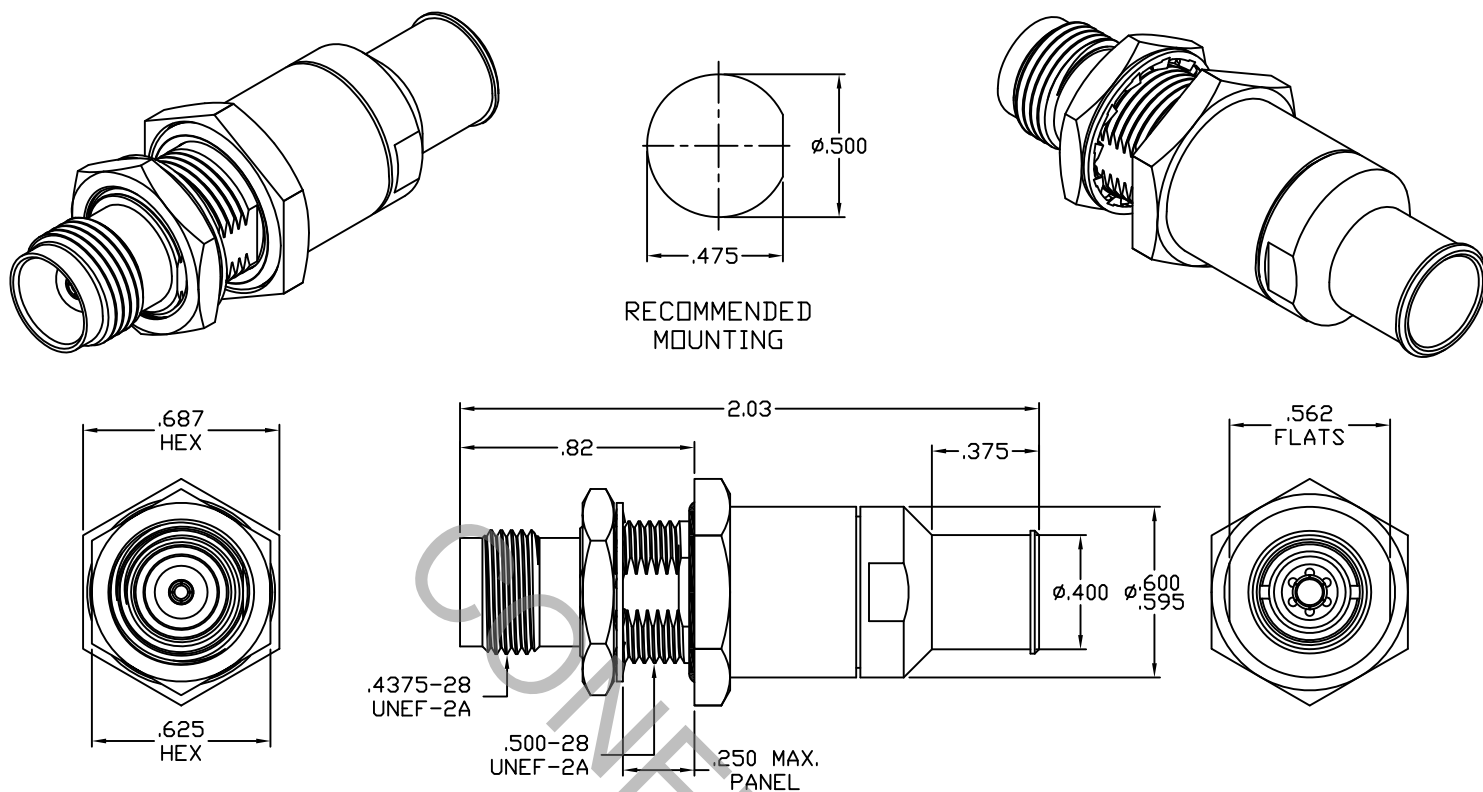


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 313.2 (TNC JACK).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.07 + .007 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	1.5
• 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			CABLE INCORPORATED HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	16-2051	8/30/16	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1'0" X ° X' ± 15'	TITLE TNC JACK, BULKHEAD, SOLDER CLAMP, PLUG-IN CONTACT, 7-00222 CABLE
				DRAWN DC	DATE	8/30/16	
				APPROVED DC	DATE	8/30/16	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 8510-7222-6240
				6DZL5			

# 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) \_\_\_\_\_ INTERFACE 32.0  
● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0  
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0  
CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
RECOMMENDED MATING TORQUE \_\_\_\_\_ 10 - 15 IN. LBS.  
RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 25 - 28 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. ) ( 375 VRMS )

## 5. MATERIAL

BODY, SOLDER SLEEVE, CLAMP NUT & HEX NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.  
CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.  
INTERFACE INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.  
REAR INSULATOR \_\_\_\_\_ CROSS LINKED POLYETHYLENE (200°C).  
GASKET & O-RING \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765.  
LOCKWASHER \_\_\_\_\_ 400 SERIES STAINLESS STEEL.

## 6. FINISH

BODY, CLAMP NUT, LOCKWASHER & HEX NUT \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.  
CONTACTS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER per AMS-2418 (.000010 MIN. THK.)  
SOLDER SLEEVE \_\_\_\_\_ 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 (.000150 MIN. THK.) OVER COPPER per AMS-2418 (.000010 MIN. THK.)  
INSULATORS, GASKET & O-RING \_\_\_\_\_ N/A