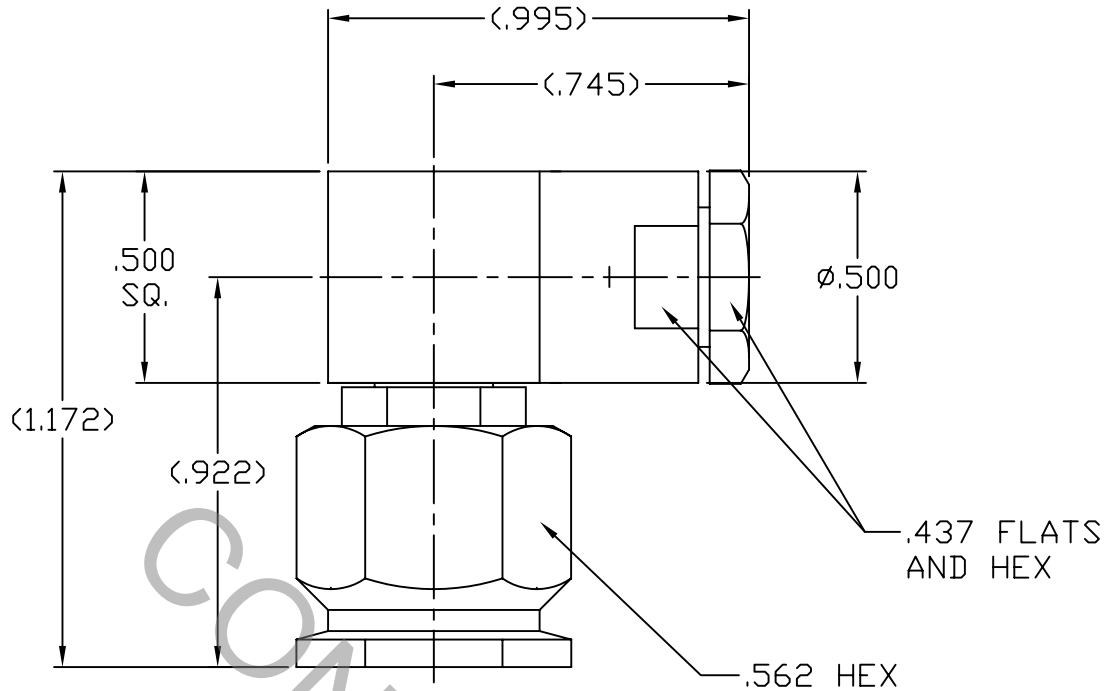


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER TYPE TNCA PLUG PER MIL-STD-348 (Fig. 313-3).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.5 GHz.
VSWR (MAX.) *	_____	1.10 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 dB x √FGHz.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +200° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	3.0

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			Haverhill MA 01835
AA	06-1726	6/6/06	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE TNCA PLUG, RIGHT ANGLE, SOLDER CLAMP ATTACHMENT TO .250 SEMI-RIGID
				DRAWN TS DATE 6/6/06			
				APPROVED DC DATE 6/6/06			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. No. 8401-2545-2700

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ 4.0 IN. OZ.

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 1000

RECOMMENDED MATING TORQUE \_\_\_\_\_ 15 - 20 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 °c TO + 200 °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. ) ( 250 VRMS )

## 5. MATERIAL

CONNECTOR BODY, COUPLING NUT \_\_\_\_\_ BRASS PER ASTM B 16, TEMPER H02, ALLOY C36000.  
CLAMPNUT AND CABLE SLEEVE \_\_\_\_\_

CENTER CONTACT & RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196,COPPER ALLOY  
UNS-C-17300, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 4894-91

GASKET \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60

## 6. FINISH

CONNECTOR BODY, COUPLING NUT \_\_\_\_\_ NICKEL PER QQ-N-290, CLASS 1 (.0002 MIN. THK.)  
CLAMPNUT AND CABLE SLEEVE \_\_\_\_\_

CENTER CONTACT \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5  
(.000100 MIN. THK.) OVER NICKEL PER QQ-N-290  
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550  
(.000010 MIN.THK.)

INSULATOR, GASKET & RETAINING RING \_\_\_\_\_ N/A