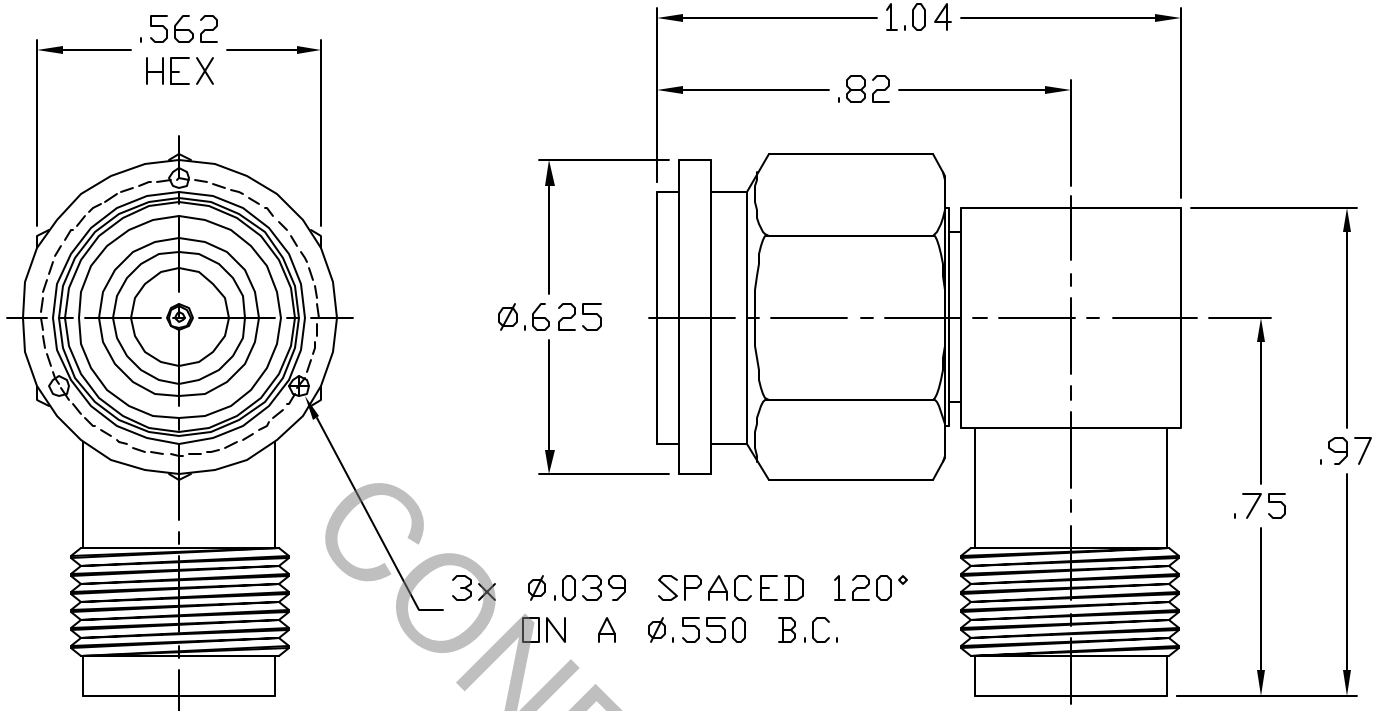


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS ML-STD-348 Fig. 313.1 (TNC PLUG) WITH SOLID OUTER AND ML-STD-348 Fig. 313.2 (TNC JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 11.0 GHz
VSWR (MAX.) *	1.15 + .027 x FGHz
INSERTION LOSS (dB MAX.) *	-.15 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX VRMS)	333
RF LEAKAGE (MIN. dB DOWN)	-90 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.5
• OUTER CONTACT (MAX. MILLIOHMS)	0.5

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERRHILL, MA 01835	
AA	05-2158	11/7/05	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0" X° X' ± 15'		
				DRAWN	DC	DATE	11/7/05	TITLE TNC PLUG, TNC JACK, ADAPTER
				APPROVED	DC	DATE	11/7/05	
				CODE IDENT.		SHEET	1 OF 2	DWG. NO. 1101-8283-3200
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX AXIAL FORCE _____ 8.0 LBS.
MAX RADIAL TORQUE _____ 4.0 IN.OZS.
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 32.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 30 - 35 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85° 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.) (260 VRMS)

5. MATERIAL

BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-479, TYPE 316L
CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B198-9D, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 4894-91.
GASKET _____ SILICONE RUBBER PER ZZ-R-785E

6. FINISH

BODY AND COUPLING NUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACT _____ GOLD PER ASTM-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-14650
(.000010 MIN. THK.)
INSULATOR, GASKET AND RETAINING RING _____ N/A