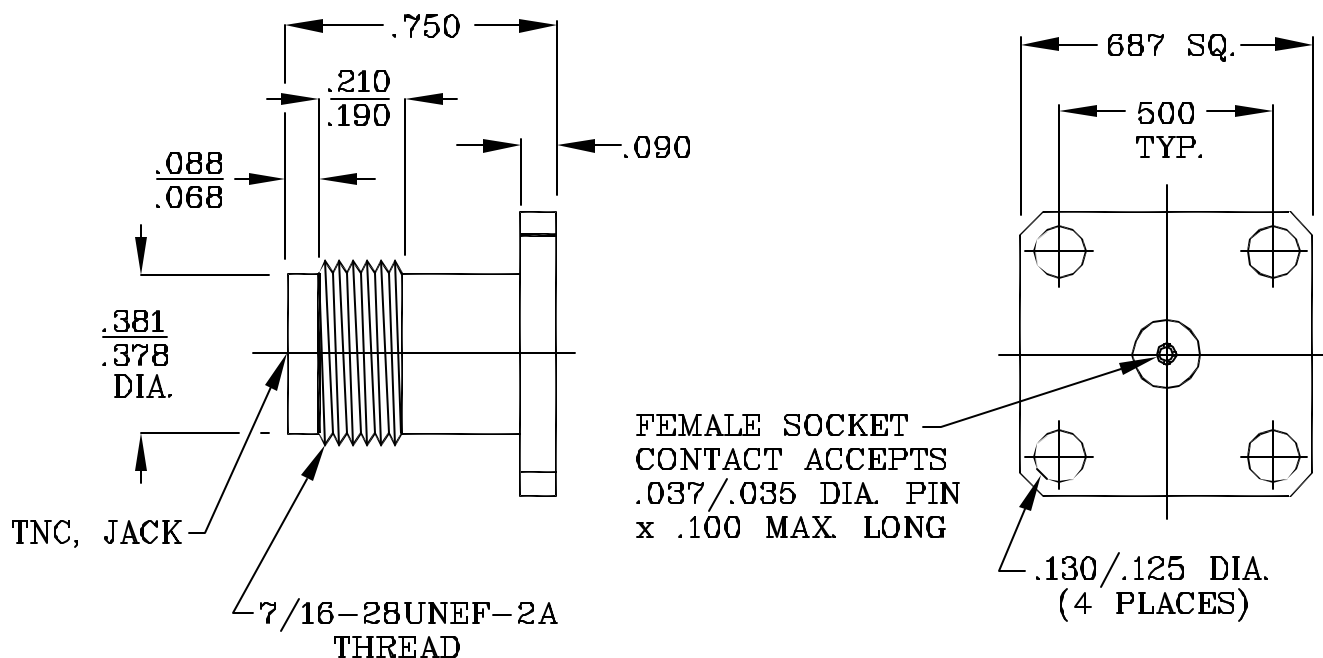


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-C-39012/TNC SERIES AND MD-85 (KTNC 18 GHz.)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	D.C. TO 18.0 GHz.
VSWR (MAX.) *	_____	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.04 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-85 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.5
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
-	1139	4/95	M.B.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' b' X° X' ± 16'	TITLE KTNC, JACK 4 HOLE FLANGE FIELD REPLACEABLE
				SURFACE ROUGHNESS 83 √/ML-STD 10.			
				DRAWN	G.L.	DATE 4/95	DWG. NO. 8554-0081-6235
				APPROVED	DGG	DATE 4/95	
				CODE IDENT.	SHEET 1 OF 2		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX. AXIAL FORCE _____ 6.0 LBS.
- MAX. RADIAL TORQUE _____ 2.0 IN. OZ.

CENTER CONTACT AXIAL FORCE

- INSERTION (MAX. OUNCES) _____ INTERFACE 32.0 ; REAR 48.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 ; REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RECOMMENDED MATING TORQUE _____ 30 TO 35 INCH 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.) (375 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A.

CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER T004.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35C, TYPE VI

CONTACT _____ GOLD PER MIL-G-45204, TYPE I, CLASS 2
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A