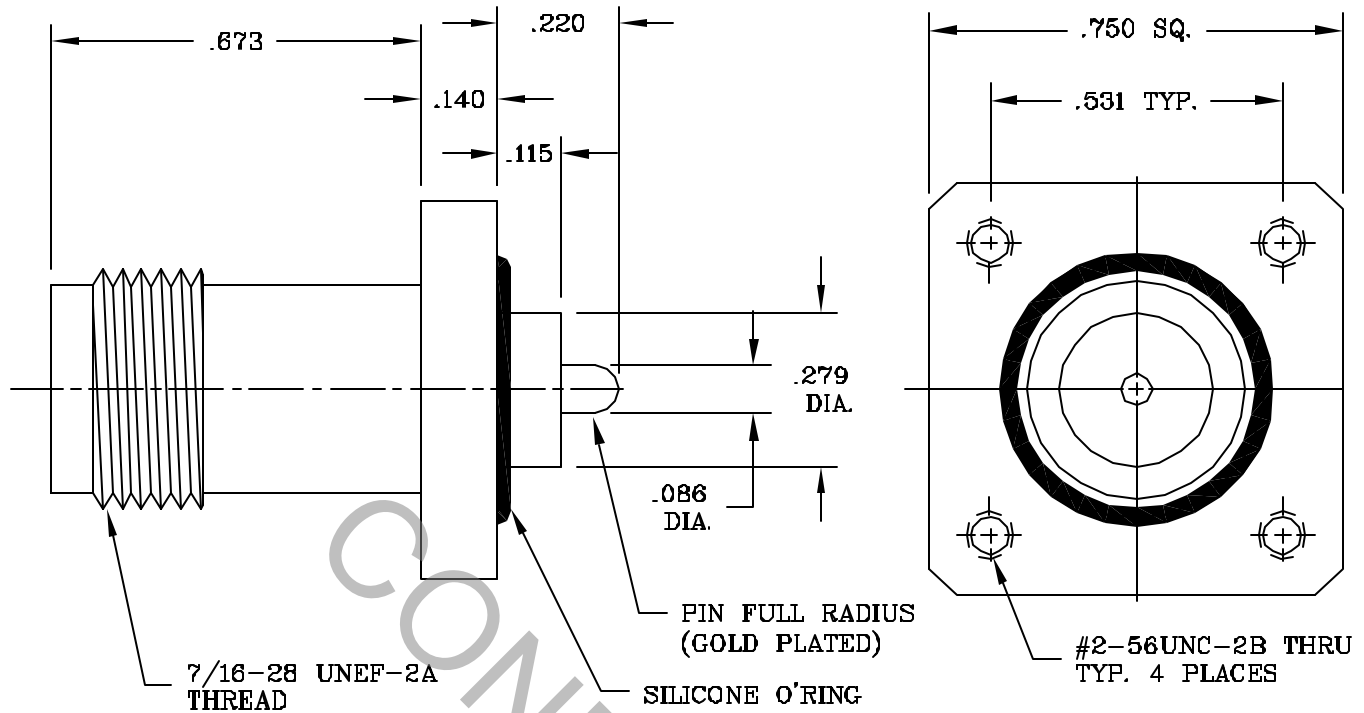


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSION PER MIL-STD-348A FIG. 313.2 (TNC, JACK)
AND DYNAWAVE MD-85 (KTNC 18 GHz)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 15.0 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)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
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			 Haverhill, MA 01836
AA	04-2266	10/21/04	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .006	FRACTIONAL ±/64	ANGULAR X° ± f' 0' X° X' ± 15'	
				DRAWN	TS	DATE 10/21/04	TITLE KTNC, JACK 4 HOLE FLANGE
				APPROVED D.C.		DATE 10/21/04	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 8554-0031-6201
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 8.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCE

- INSERTION (MAX OUNCES) _____ 24.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RECOMMENDED MATING TORQUE _____ 30 - 35 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.) (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.
O-RING _____ SILICONE PER AMS 3304.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE 1.
CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.00050 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)
INSULATOR AND O-RING _____ N/A