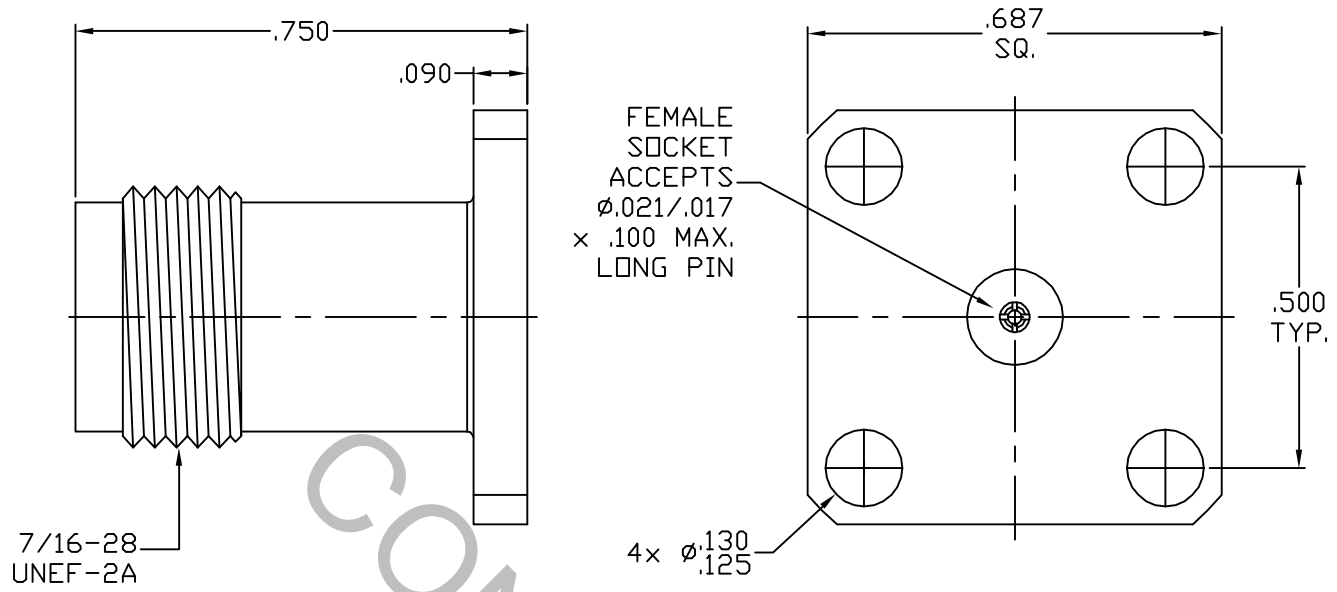
SPECIFICATION CONTROL DRAWING



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

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)	−65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
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.
–	265	1/87	CM
AA	07-1119	2/1/07	DC

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ± .030, .XX ± .010, .XXX ± .005
FRACTIONAL: ±1/64
ANGULAR: X ° ± 1° 0', X ° X' ± 15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN CDM DATE 1/87

APPROVED TS DATE 1/87

TITLE
KTNC, JACK
4 HOLE FLANGE
FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 8554-0081-6220

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
● MAX. AXIAL FORCE	6.0 LBS.
● MAX. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCE	
● INSERTION (MAX. OUNCES)	INTERFACE 32.0 ; REAR 32.0
● WITHDRAWAL (MIN. OUNCES)	INTERFACE 2.0 ; REAR 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	30 TO 35 INCH LBS.

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–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	STAINLESS STEEL PER ASTM–A–581, TYPE 303, COND. A.
CONTACT	BERYLLIUM COPPER PER ASTM–B–190. COPPER ALLOY UNS 17300 TD04
INSULATOR	TEFLON PER ASTM–D–1710

6. FINISH

BODY	PASSIVATE PER QQ–P–35A, TYPE I.
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	N/A