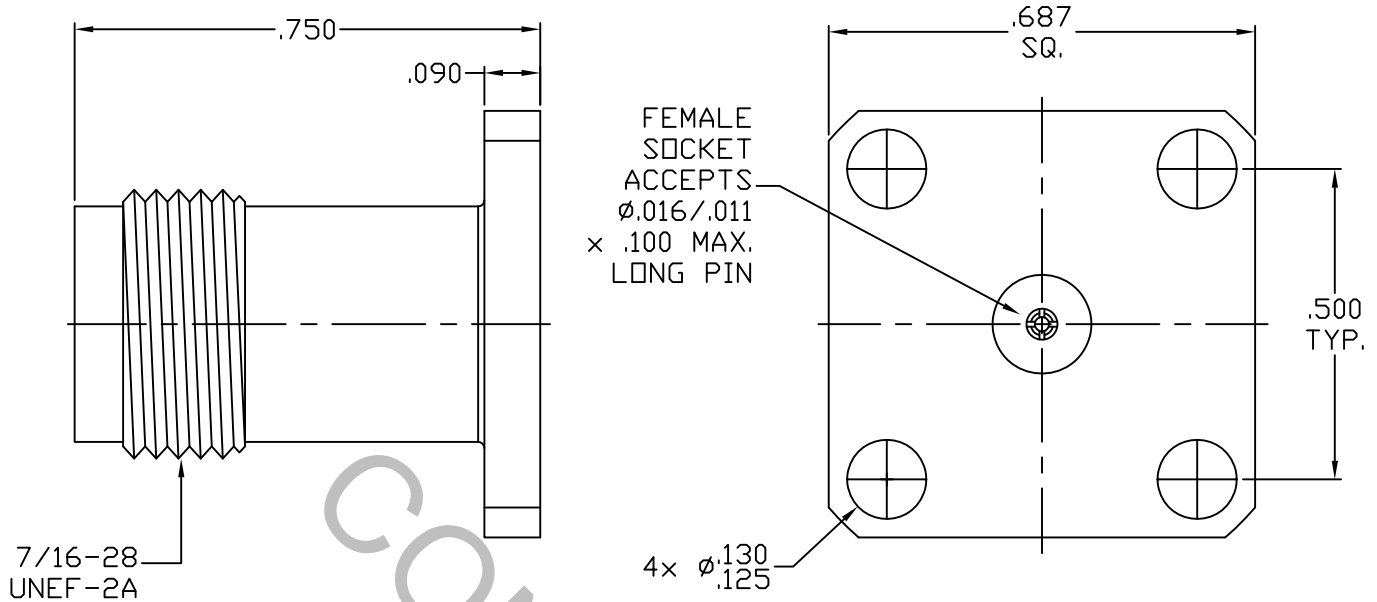


SPECIFICATION CONTROL DRAWING



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)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO $+165^{\circ} \text{c}$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
AA	10-1416	4/21/10	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1° 0' X° X' ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			TITLE KTNC, JACK 4 HOLE FLANGE FIELD REPLACEABLE
				DRAWN	TS	DATE 4/21/10	
				APPROVED	DC	DATE 4/21/10	
				CODE IDENT.			DWG. NO. 8554-0081-6415
				2J899	SHEET 1 OF 2		

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 24.0 ; 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.

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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A.

CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B 196M-03, COPPER ALLOY No. UNS 17300 TEMPER TD04

INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER QQ-N-290, (.000150 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.).

CONTACT _____ GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS 2.5 (.00010 MIN. THK.) OVER NICKEL PER QQ-N-290, (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.).

INSULATOR _____ N/A