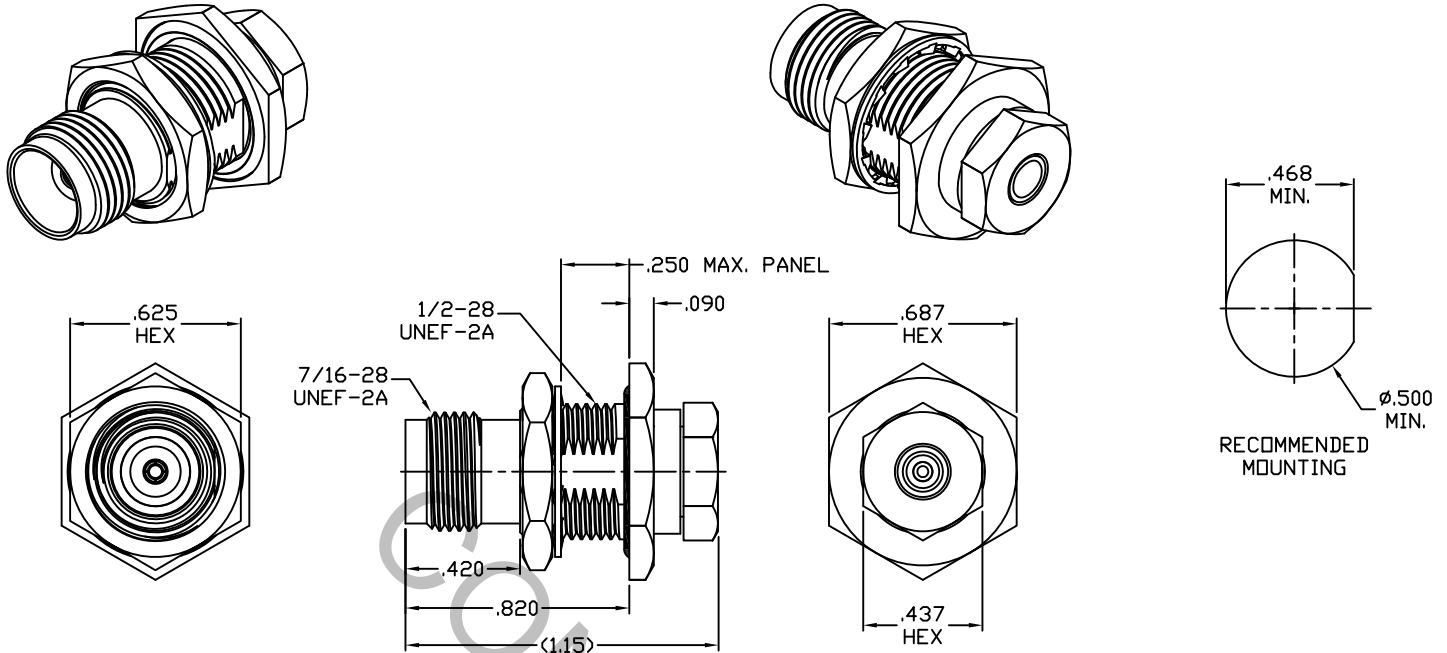


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 313-4 (KTNC JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX.) *	_____	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.035 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)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	1.5
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill MA 01835
AA	17-1058	1/13/17	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE KTNC JACK, BULKHEAD, SOLDER CLAMP ATTACHMENT TO .141 SEMI-RIGID
				DRAWN RMS DATE 1/12/17			
				APPROVED DC DATE 1/13/17			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 8510-4145-6284

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0 INTERFACE
- WITHDRAWAL (MIN. OUNCES) _____ 2.0 INTERFACE

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 1,000

RECOMMENDED MATING TORQUE

- INTERFACE _____ 30-35 IN. LBS.
PANNEL _____ 35-40 IN. LBS.

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, HEX NUT, REAR NUT & PRESS SLEEVE _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A.
LOCKWASHER _____ 400 SERIES STAINLESS STEEL
CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY NO. UNS C17300.
INSULATORS _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.
O-RINGS _____ FLUROSILICONE PER MIL-R-25988, TYPE 1, CLASS 1, GRADE 60/3.
SOLDER SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

6. FINISH

BODY, HEX NUT, REAR NUT, PRESS SLEEVE & LOCKWASHER _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
CONTACT & SOLDER SLEEVE _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050 MIN.) OVER COPPER PER AMS-2418 (.000010 MIN.)
INSULATORS AND O-RINGS _____ N/A