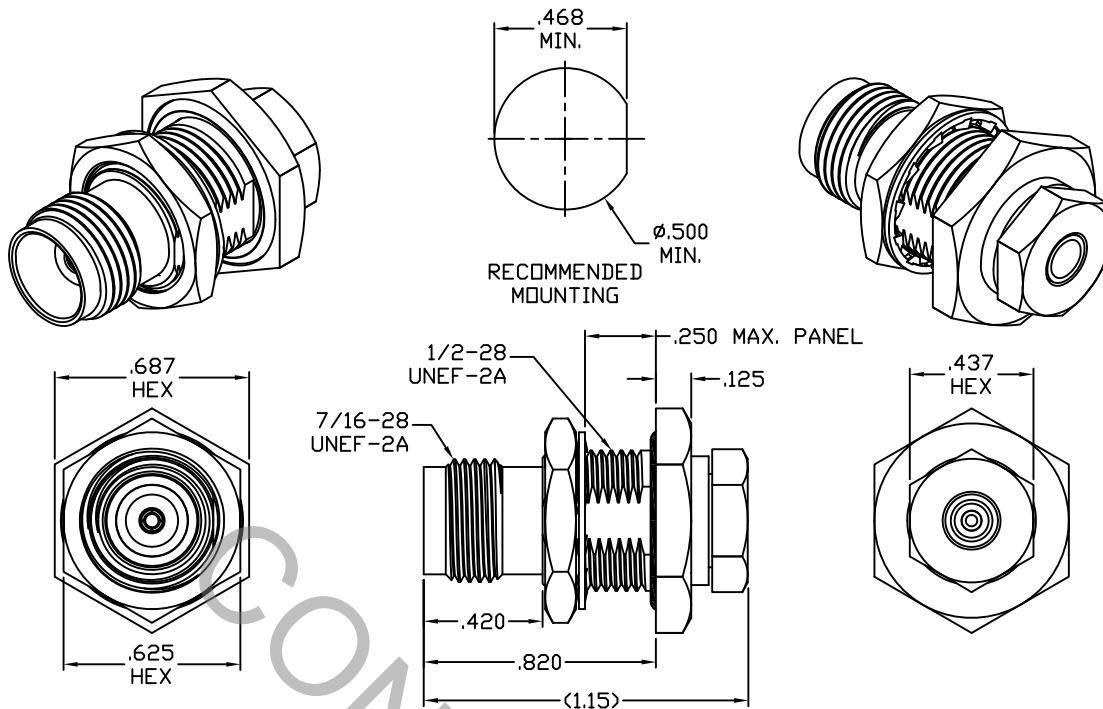


SPECIFICATION CONTROL DRAWING



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.) *	_____	1.06 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.040 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
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)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	3.0

* 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	09-1155	2/18/09	DC	DECIMALS	FRACTIONAL	ANGULAR	
AB	14-2601	12/22/14	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN DC	DATE 2/18/09	TITLE KTNC JACK, BULKHEAD, SOLDER CLAMP ATTACHMENT TO Ø.141 SEMI-RIGID	
				APPROVED DC	DATE 2/18/09		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 8510-4121-2700	

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 _____ 12-15 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, SOLDER SLEEVE, PRESS SLEEVE & CLAMP NUT _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY 36000.

CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B 196M-03, COPPER ALLOY NO. UNS C17300 TEMPER TD04.

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

O-RINGS _____ ETHYLENE PROPYLENE PER ASTM D735-58/R810F

LOCKWASHER _____ BRONZE

6. FINISH

BODY, LOCKWASHER, HEXNUT, PRESS SLEEVE & CLAMP NUT _____ NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (00200 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

CONTACT & SOLDER SLEEVE _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

INSULATORS & O-RINGS _____ N/A