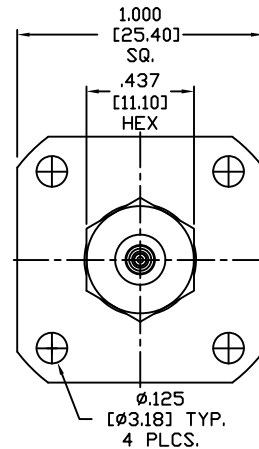
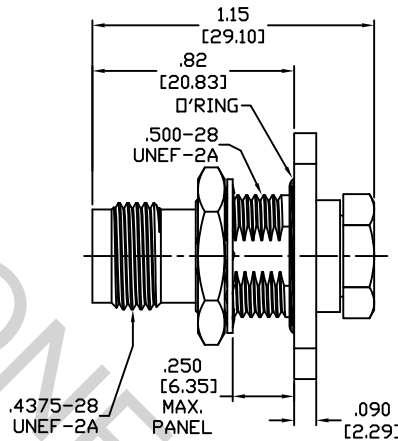
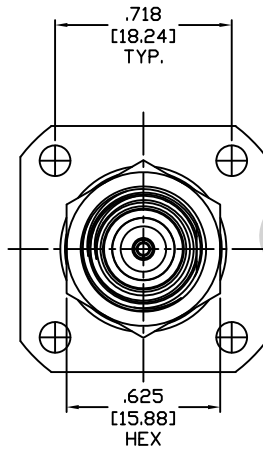
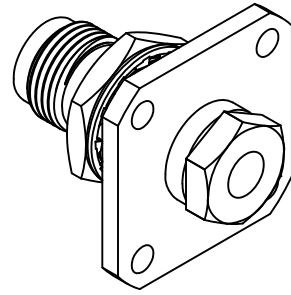
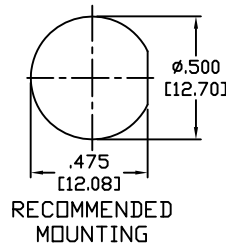
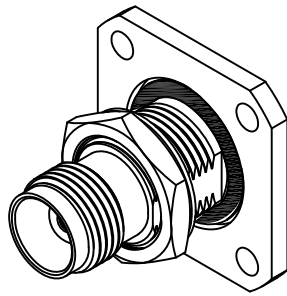


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 313.2 (KTNC JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.07 + .007 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 dB x √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°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	17-1052	1/12/17	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	17-1768	6/15/17	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	
BA	18-1836	8/2/18	DC	DRAWN TS	DATE 1/12/17	TITLE KTNC JACK, BULKHEAD, SOLDER CLAMP, Ø.085 FLEXIBLE CABLE	
				APPROVED DC	DATE 1/12/17		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 8554-8545-6200	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MAX AXIAL FORCE _____ 6.0 LBS.
 MAX RADIAL TORQUE _____ N/A
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX OUNCES) _____ INTERFACE 32.0
 ● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 10 - 15 IN. LBS.
 RECOMMENDED MOUNTING TORQUE _____ 25 - 28 IN. LBS.

4. ENVIRONMENTAL

THERMAL SHOCK _____ MIL-STD-202, METHOD 107, COND. B (-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.) (190 VRMS)

5. MATERIAL

BODY, REAR NUT, PRESS SLEEVE _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
 LOCKWASHER & HEX NUT
 CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER
 ALLOY No. UNS-C17300, TEMPER TD04.
 INSULATORS _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.
 O-RINGS _____ SILICONE RUBBER PER ZZ-R-765.
 SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
 SHRINK TUBING _____ MIL-DTL-23053/4 CLASS 1

6. FINISH

BODY, REAR NUT, PRESS SLEEVE _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
 LOCKWASHER & HEX NUT
 CONTACT _____ GOLD PER ASTM-B-488, TYPE II, 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.)
 SOLDER SLEEVE _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27
 (.000050 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290,
 CLASS 1 (.000150 MIN. THK.) OVER COPPER per AMS-2418
 (.000010 MIN. THK.)
 INSULATORS, SHRINK TUBING & O-RINGS _____ N/A