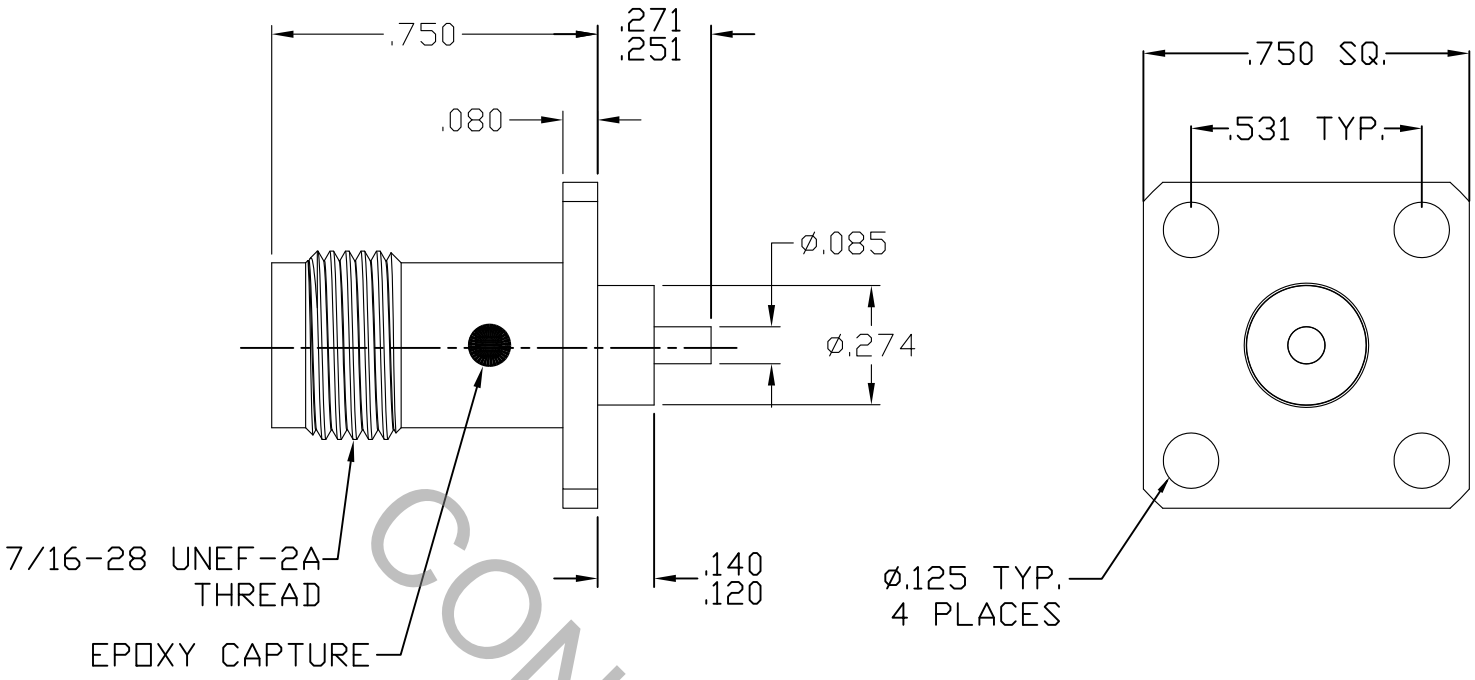
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 313.2 (KTNC, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	D.C. TO 14.5 GHz.
VSWR (MAX.) ❋	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.07 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 +125 ° 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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	12-1431	5/29/12	TS
AB	13-2105	8/7/13	DC
BA	14-1702	6/9/14	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X °±1 °0' X ° X' ± 15'

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN TS DATE 5/25/12

APPROVED DC DATE 5/25/12

TITLE
KTNC, JACK
4 HOLE FLANGE
STRAIGHT TERMINAL
(CAPTURED CONTACT)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 8554-0032-2705

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — 6.0 LBS.
- MIN. RADIAL TORQUE — 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCE
- INSERTION (MAX. OUNCES) — 24.0
- WITHDRAWAL (MIN. OUNCES) — 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. MATING) — 500

RECOMMENDED MATING TORQUE — 30 TO 35 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 125 °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)

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5. MATERIAL

BODY	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY	NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000200 MIN. THK.). OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
CONTACT	GOLD PER ASTM B 488, TYPE 1, 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.)
INSULATOR	N/A