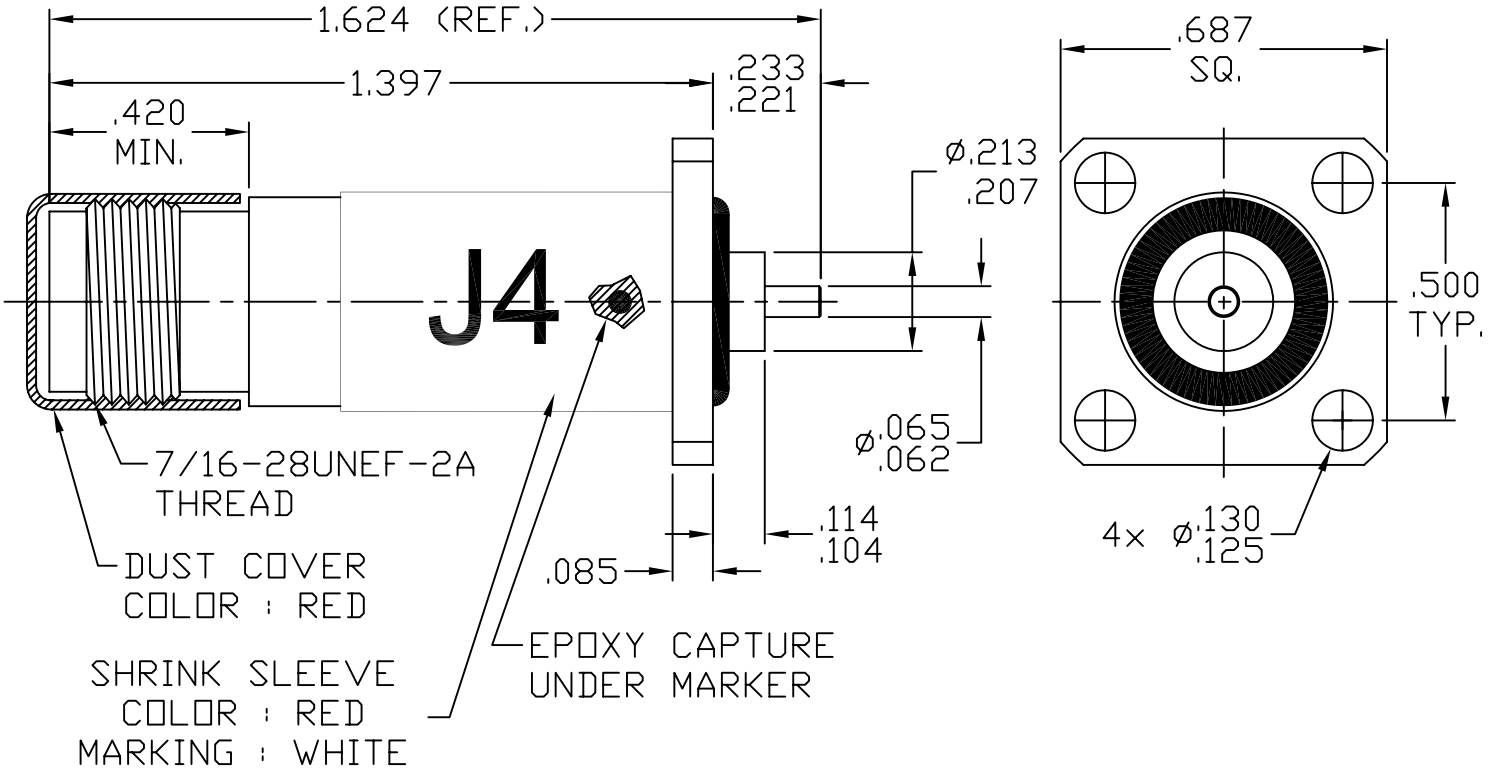
SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.07 + .008 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.04 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	410
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,250
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

REV.	DCN NO.	DATE	APP.
AA	08-1250	3/6/08	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN TS DATE 3/6/08

APPROVED DC DATE 3/6/08

TITLE KTNC JACK
4 HOLE FLANGE
ø.065 PIN TERMINAL
(EPOXY CAPTURED)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 8554-0632-2705

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX. AXIAL FORCE	6.0 LBS.
MAX. RADIAL TORQUE	4.0 IN./OZ.
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	15 – 20 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.) (310 VRMS)

5. MATERIAL

BODY	BRASS PER ASTM B 16, TEMPER H02, ALLOY C36000.
CONTACT	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710.–02, TYPE 1, GRADE 1, CLASS B.
O'RING	SIILCONE RUBBER PER ZZ–R–765E, CLASS 1.
DUST COVER	VINYL (COLOR RED)

6. FINISH

BODY	NICKEL PER QQ–N–290, CLASS 1.
CONTACT	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL per QQ–N–290 (.000050 MIN. THK.) OVER COPPER per MIL–C–14550 (.000010 MIN. THK.)
INSULATOR, O'RING AND DUST COVER	N/A