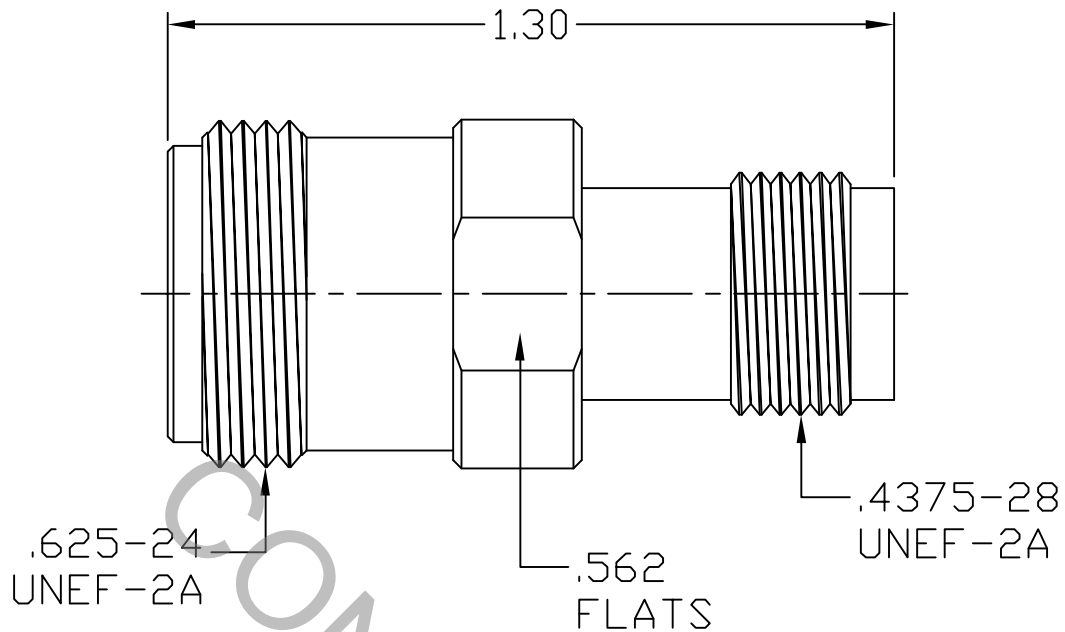


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.2 (N JACK), 313.2 (TNC JACK).

2. ELECTRICAL

| | |
|---------------------------------------------|-------------------------------|
| FREQUENCY RANGE GHz | DC TO 18.0 GHz |
| VSWR (MAX) * | 1.08 + .010 x FGHz |
| INSERTION LOSS (dB MAX) * | .06 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

| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES | | |  HAVERHILL, MA 01835 |
|------|---------|--------|------|----------------------------------------------------|----------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| AA | 06-1930 | 8/1/06 | DC | DECIMALS .X ± .030 .XX ± .010 .XXX ± .005 | FRACTIONAL ± 1/64 | ANGULAR X ° ± 1'0" X ° X' ± 15' | |
| | | | | DRAWN DC | DATE 8/1/06 | TITLE N JACK TO TNC JACK ADAPTER | |
| | | | | APPROVED DC | DATE 8/1/06 | | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 | DWG. NO. | 1100-7585-6250 |

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 IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 15 - 18 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 _____ STAINLESS STEEL PER AMS 5640, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35 TYPE 2.

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 _____ N/A