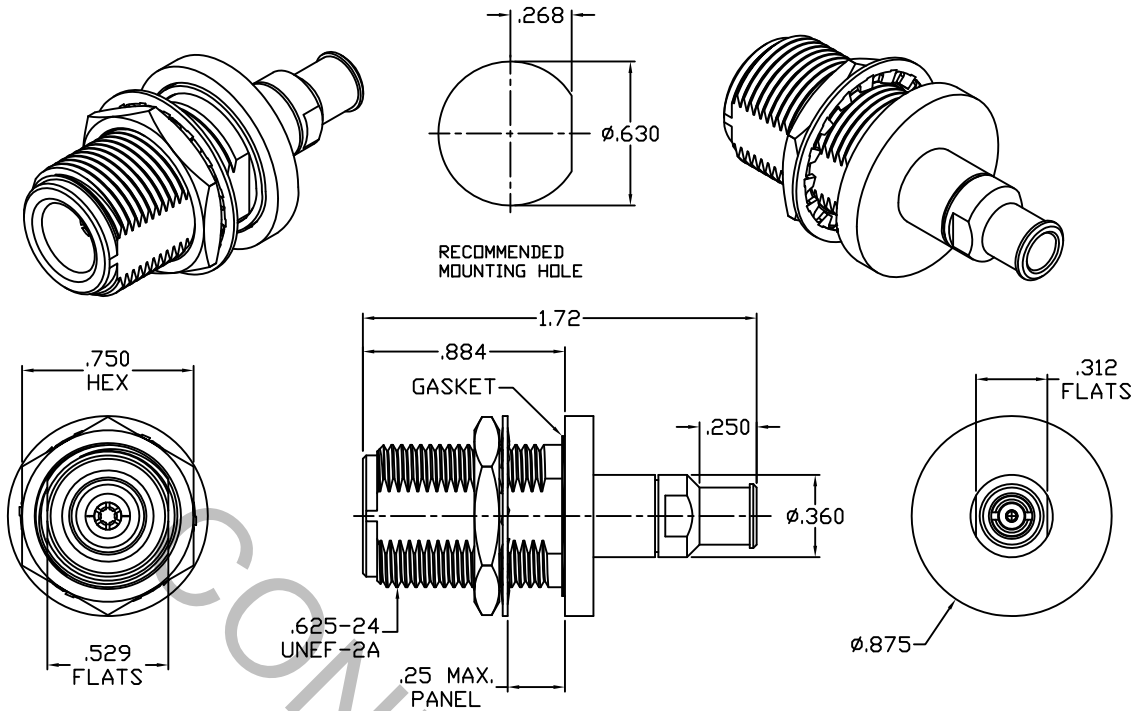


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.2 (N 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 $\sqrt{\text{FGHz}}$ |
| NOMINAL IMPEDANCE (OHMS) | _____ | 50 |
| VOLTAGE RATING (MAX. VRMS) | _____ | 333 |
| RF LEAKAGE (MIN. dB DOWN) | _____ | -100 dB - FGHz |
| TEMPERATURE RATING (DEGREES CENTIGRADE) | _____ | -65°C TO + 165°C |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | _____ | 1,000 |
| 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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES | | | CABLE INCORPORATED HAVERHILL, MA 01835 |
|------|---------|---------|------|--|--------------|--------------|---|
| AA | 17-1970 | 8/14/17 | DC | DECIMALS | FRACTIONAL | ANGULAR | |
| | | | | .X ± .030 | | X ° ± 1° 0' | TITLE N JACK, BULKHEAD, SOLDER CLAMP, PLUG-IN CONTACT, 7-00306 |
| | | | | .XX ± .010 | ± 1/64 | X ° X' ± 15' | |
| | | | | .XXX ± .005 | | | |
| | | | | DRAWN RMS | DATE | 8/14/17 | DWG. NO. 7510-7306-6240 |
| | | | | APPROVED DC | DATE | 8/14/17 | |
| | | | | CODE IDENT. | SHEET 1 OF 2 | | |
| | | | | 6DZL5 | | | |

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 - 32 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.) (250 VRMS)

5. MATERIAL

BODY, CLAMP NUT, HEX NUT, BUSHINGS & _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
PRESS SLEEVE

LOCKWASHER _____ 400 SERIES STAINLESS STEEL.

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

SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

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

GASKET & O-RING _____ SILICONE RUBBER PER ZZ-R-765.

6. FINISH

BODY, CLAMP NUT, HEX NUT, BUSHINGS, _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
PRESS SLEEVE & LOCKWASHER

CONTACT _____ 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.)

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
(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

INSULATORS, GASKET & O-RING _____ N/A