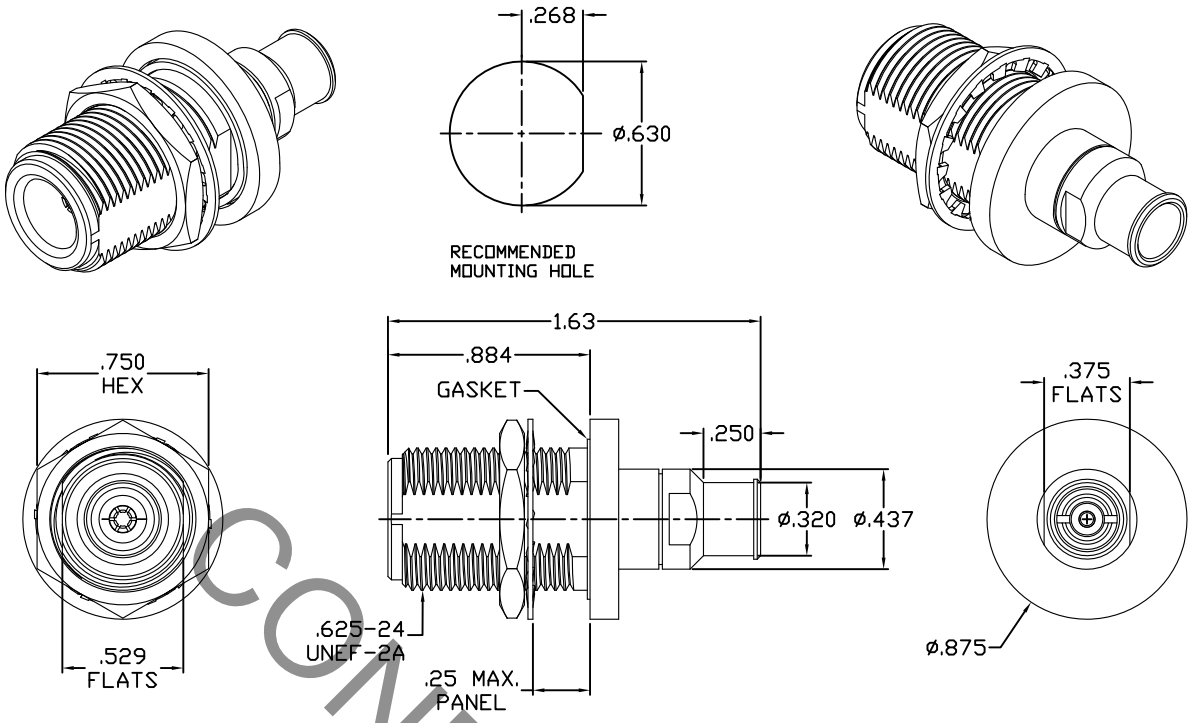
SPECIFICATION CONTROL DRAWING



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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)	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)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	15-2794	12/15/15	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave CABLE INCORPORATED
HAVERHILL, MA 01835

DRAWN RMS DATE 12/15/15

APPROVED DC DATE 12/15/15

TITLE
N JACK, BULKHEAD,
SOLDER CLAMP,
DF426W

CODE IDENT. 6DZL5

SHEET 1 OF 2

DWG. NO. 7510-426W-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 – 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.) (375 VRMS)

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5. MATERIAL

BODY, CLAMP NUT, HEX NUT, & BUSHINGS	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
LOCKWASHER	400 SERIES STAINLESS STEEL.
CONTACTS	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–1710–02, TYPE 1, GRADE 1, CLASS B.
GASKET & O–RING	SILICONE RUBBER PER ZZ–R–765.

6. FINISH

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