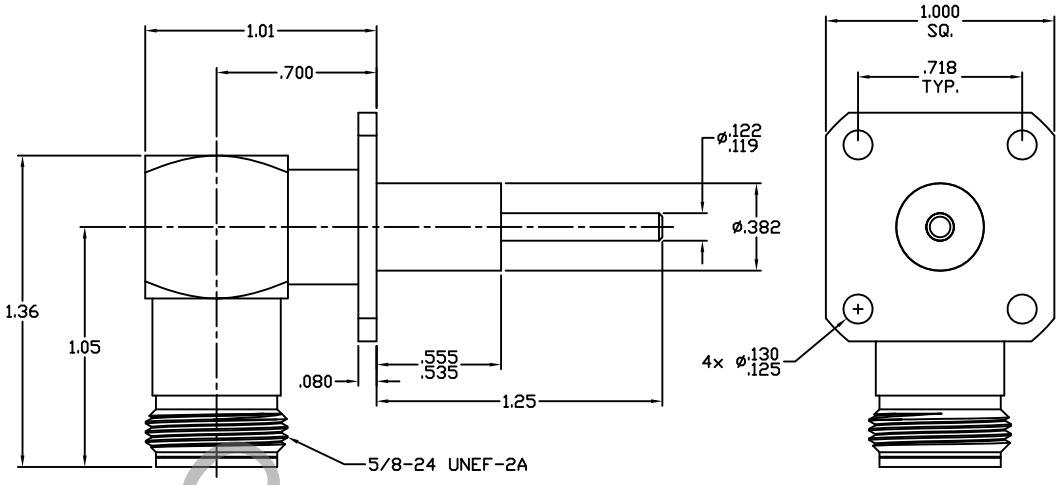
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.2 (N JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz
VSWR (MAX.) ❋	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX.) ❋	.08 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	750
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	2,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	1.5
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	12-1875	9/29/12	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 9/29/12

APPROVED DC DATE 9/29/12

TITLE N JACK
4 HOLE FLANGE
RIGHT ANGLE
ø.120 PIN TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 7558-0091-2195

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX. AXIAL FORCE — 10.0 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — INTERFACE 40.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE — 18 – 20 IN. LBS.

4. ENVIRONMENTAL

THERMAL SHOCK	MIL–STD–202, METHOD 107, COND. B (–65° c TO + 200° 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.) (625 VRMS)

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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.
INSULATORS	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY	SILVER PER QQ–S–365, TYPE 2, GRADE B (.000100 MIN. THK.) OVER COPPER PER AMS–2418 (.000010 MIN. THK.).
CONTACT	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER COPPER PER AMS–2418 (.000040 MIN. THK.).
INSULATORS	N/A