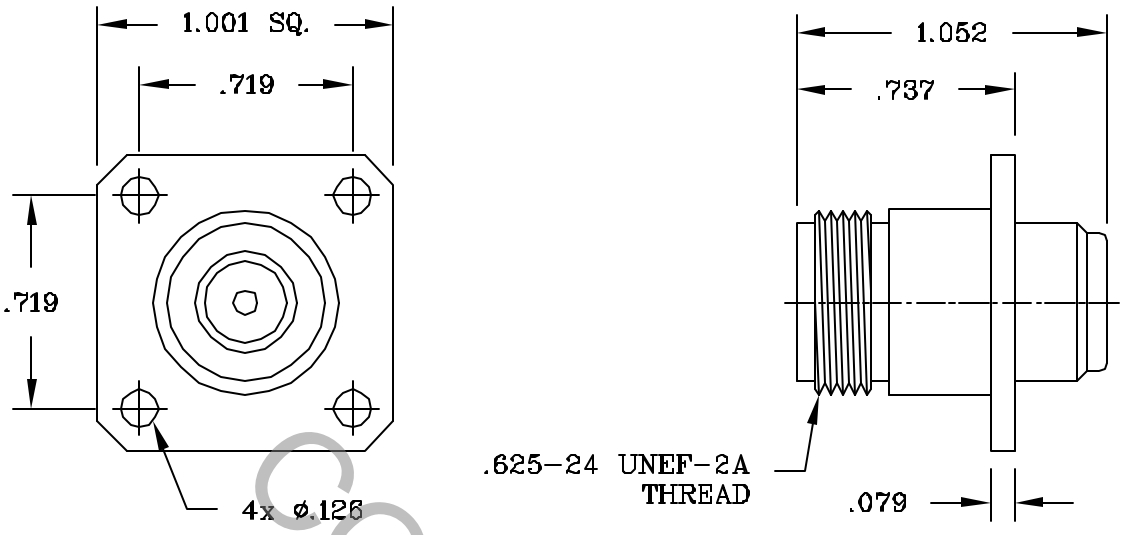
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER TYPE "N", JACK PER MIL-STD-348 (Fig. 304-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 11.0 GHz.
VSWR (MAX.) ❁	1.33
INSERTION LOSS (dB MAX.) ❁	.045 dB x $\sqrt{FGHz.}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	800
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)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	1.0
• OUTER CONTACT (MAX. MILLIOHMS)	0.2

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	03-1836	06/20/03	DC

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ±.050, .XX ±.010, .XXX ±.005
FRACTIONAL ±1/64
ANGULAR X° ±1°0', X°.X ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN G.E. DATE 06/20/03
APPROVED DC DATE 06/20/03

TITLE TYPE "N", JACK
4 HOLE FLANGE MOUNTING
DIRECT SOLDER
TO .141 SEMI-RIGID CABLE

CODE IDENT. 2J899
SHEET 1 OF 2
DWG. NO. 7554-4125-2700

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
• MIN. AXIAL FORCE	6.0 LBS.
• MIN. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES (REAR)	
• INSERTION (MAX. OUNCES)	48.0 REAR
• WITHDRAWAL (MIN. OUNCES)	2.0 REAR
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. MATING)	500
RECOMMENDED MATING TORQUE	15 – 20 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–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.) [250 VRMS]

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5. MATERIAL

CONNECTOR BODY AND SOLDER CLAMP	BRASS PER ASTM B16 TEMPER H02 ALLOY C36000.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM–B–196,COPPER ALLOY UNS–C–17300, TEMPER TD04
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY	NICKEL PER QQ–N–290
SOLDER CLAMP	GOLD PER MIL–G–45204, TYPE II, GRADE C, CLASS 0 (.000030 MIN.) OVER NICKEL PER MIL–P27418 (.00010 MIN.)
CENTER CONTACT	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000150 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)
INSULATOR	N/A