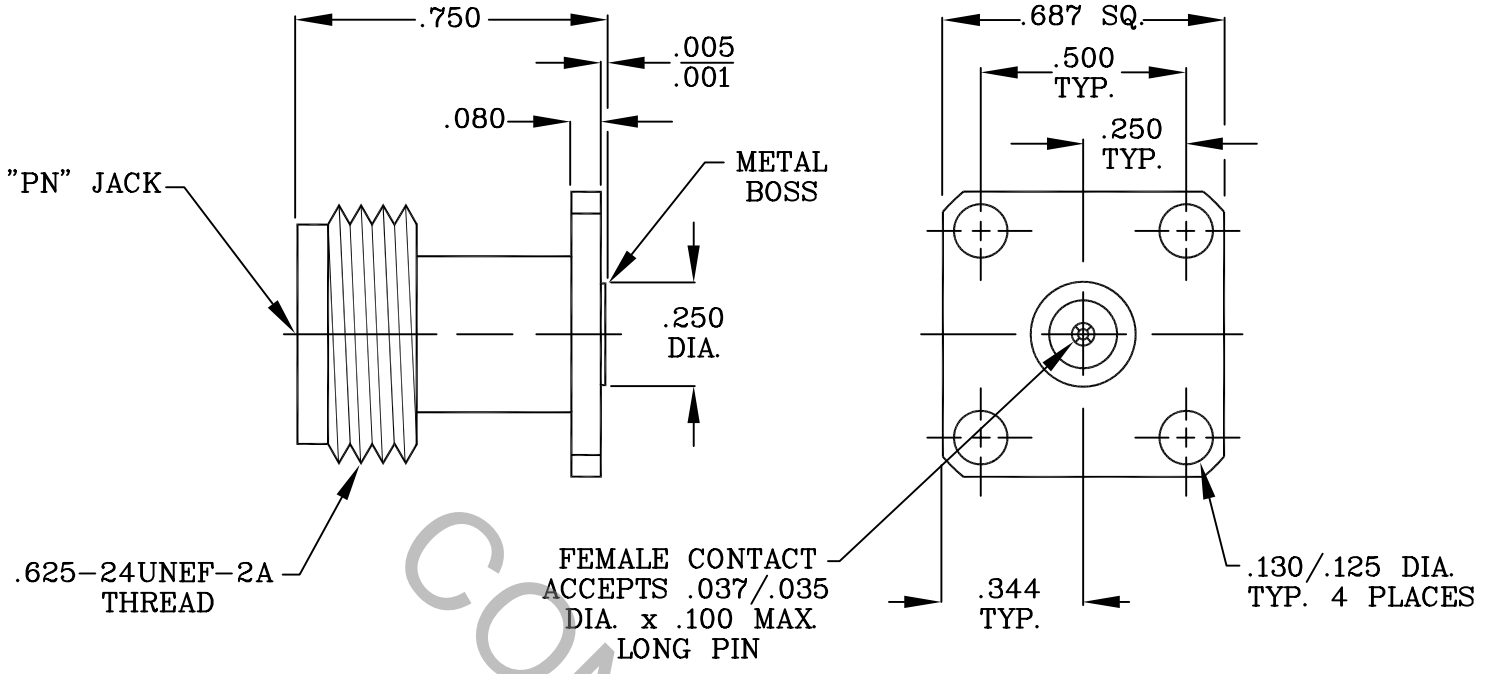
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-75 (PRECISION TYPE "N")

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.050 dB x $\sqrt{FGHz}$.
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)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
-	878	7/92	TS

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ± .030, .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 TS DATE 7/92

APPROVED TS DATE 7/92

TITLE: PRECISION ("PN") JACK, 4 HOLE FLANGE FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 7554-0881-2736

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 6.0 LBS.
- MIN. RADIAL TORQUE — N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) — INTERFACE 32.0, REAR 40.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0, REAR 2.0

CONNECTOR DURABILITY (MIN. MATING) — 500

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.) (375 VRMS)

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5. MATERIAL

CONNECTOR BODY	BRASS PER ASTM B36, TEMPER H02, ALLOY C36000
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY	NICKEL PER QQ–N–290, CLASS 1 OVER WOODS NICKEL OVER COPPER PER MIL–C–14550.
CENTER CONTACT	GOLD PER MIL–G–45204, TYPE II, GRADE C, CLASS 2 (.000010 MIN.) OVER NICKEL PER QQ–N–290, CLASS 1 (.00010 MIN.) OVER COPPER PER MIL–C–14550 (.000010 MIN.)
INSULATOR	N/A