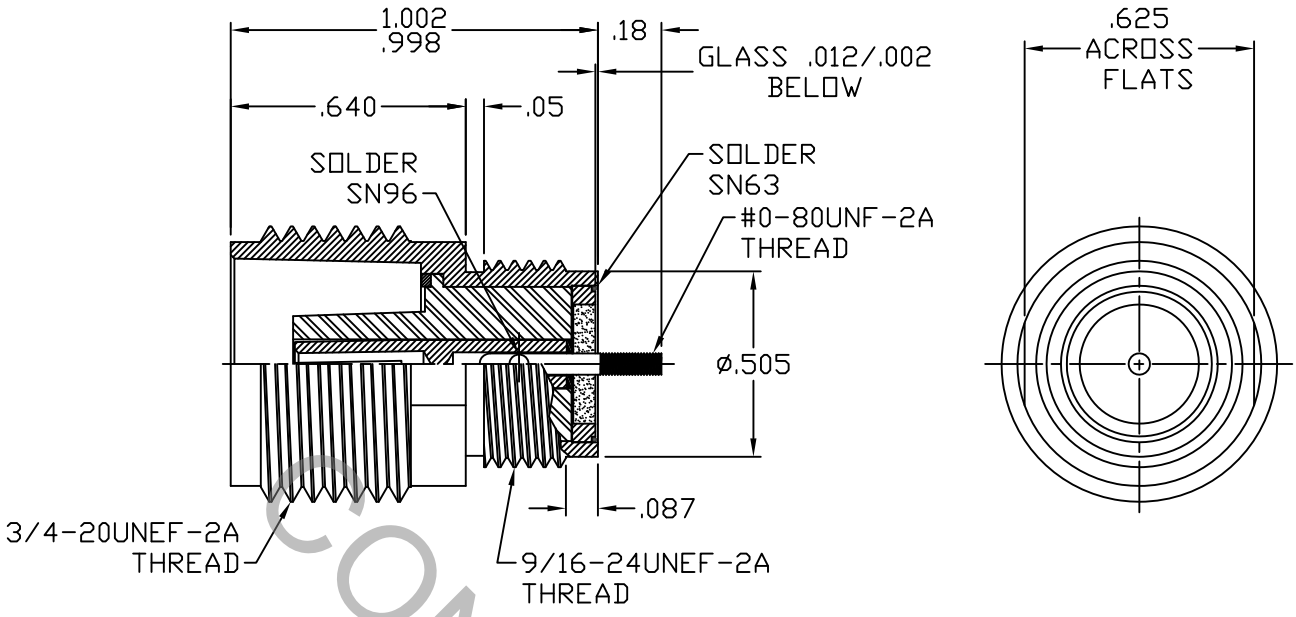
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 317.2 (HN, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 8.0 GHz
VSWR (MAX.) ❋	1.12 + .006 x FGHz
INSERTION LOSS (dB MAX.) ❋	.08 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	667
RF LEAKAGE (MIN. dB DOWN)	85 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	2,000 @ SEA LEVEL
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	1.0
• 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	17-1188	2/7/17	TS

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 TS DATE 2/7/17

APPROVED DC DATE 2/7/17

TITLE
HN JACK
THREAD-IN MOUNT
PRESURE SEALED

CODE IDENT. 6DZL5

SHEET 1 OF 2

DWG. NO. 7330-0430-6100

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX. AXIAL FORCE — 6.0 LBS.
- MAX. RADIAL TORQUE — 4.0 IN./LBS.

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — N/A
- WITHDRAWAL (MIN. OUNCES) — N/A

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

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE — 20 – 23 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–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.) (500 VRMS)

SOLDER JOINT TO WITHSTAND AIR PRESSURE OF 15 PSI.

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5. MATERIAL

BODY, GLASS RING, GLASS CENTER CONTACT	STAINLESS STEEL PER ASTM–A–582, TYPE 303, COND. A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR & SPACER	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.
PRESS SLEEVE	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.
GLASS	CORNING 7070

6. FINISH

BODY, GLASS RING, GLASS CENTER CONTACT	TRI–METAL ALLOY COMPRISED OF 55%–60% COPPER, 25%–28% TIN, 14%–18% ZINC. PLATING THICKNESS: .0001–.0002 THK.
CENTER CONTACT & GLASS SUB–ASSEMBLY	GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER AMS SAE QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
PRESS SLEEVE	NICKEL PER AMS SAE QQ–N–290, CLASS 1 (.000030 MIN. THK.)
INSULATOR, SPACER AND GLASS	N/A