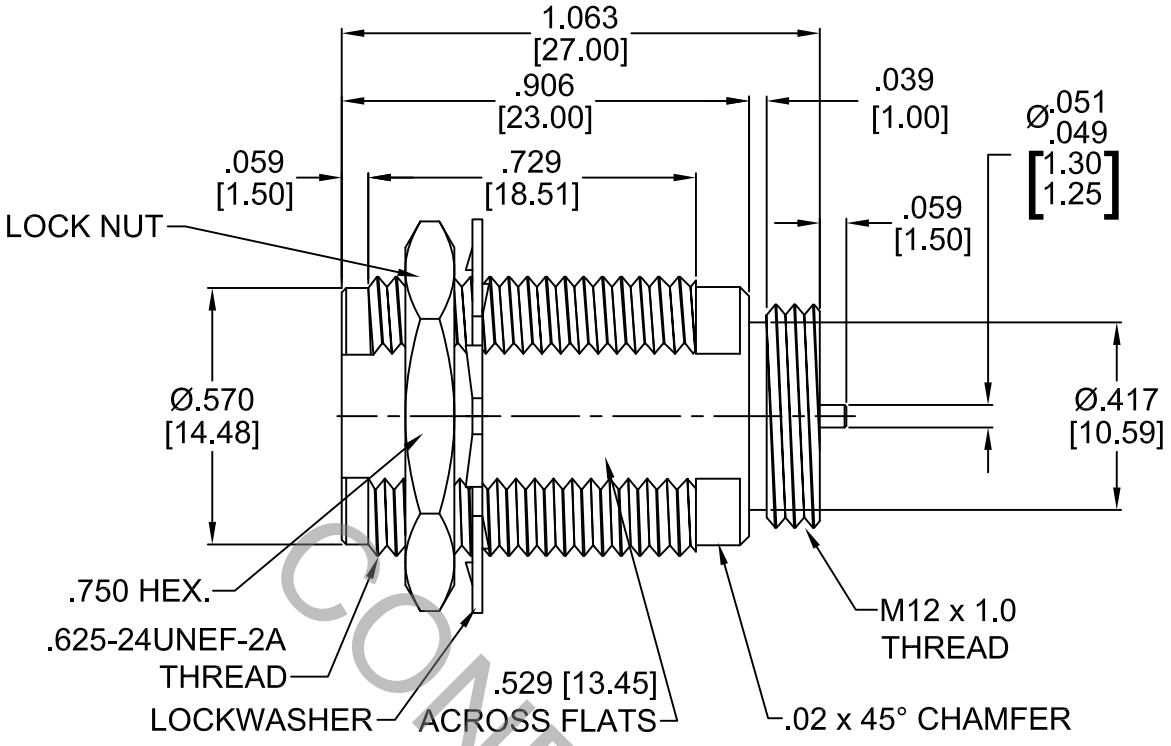
SPECIFICATION CONTROL DRAWING



O'RING LOADED

CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 304.2 (TYPE "N", JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX.) ❋	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX.) ❋	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	875
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)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	15-1493	4/1/15	TS
AB	15-1509	4/2/15	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	4/1/15
APPROVED	DC	DATE	4/1/15

TITLE: "N", JACK
THREAD-IN
STRAIGHT TERMINAL

CODE IDENT.	SHEET 1 OF 2	DWG. NO.
2J899		7530-0031-6203

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX AXIAL FORCE	4.5 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	30 – 35 IN. LBS.

CONFIDENTIAL

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.) (625 VRMS)
INGRESS PROTECTION	IP67

5. MATERIAL

BODY AND LOCK NUT	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM B196/B196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
LOCKWASHER	STAINLESS STEEL 400 SERIES.
INSULATOR	TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY, LOCK NUT & LOCKWASHER	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CONTACT	GOLD PER ASTM B 488, TYPE II, 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.)
INSULATOR	N/A