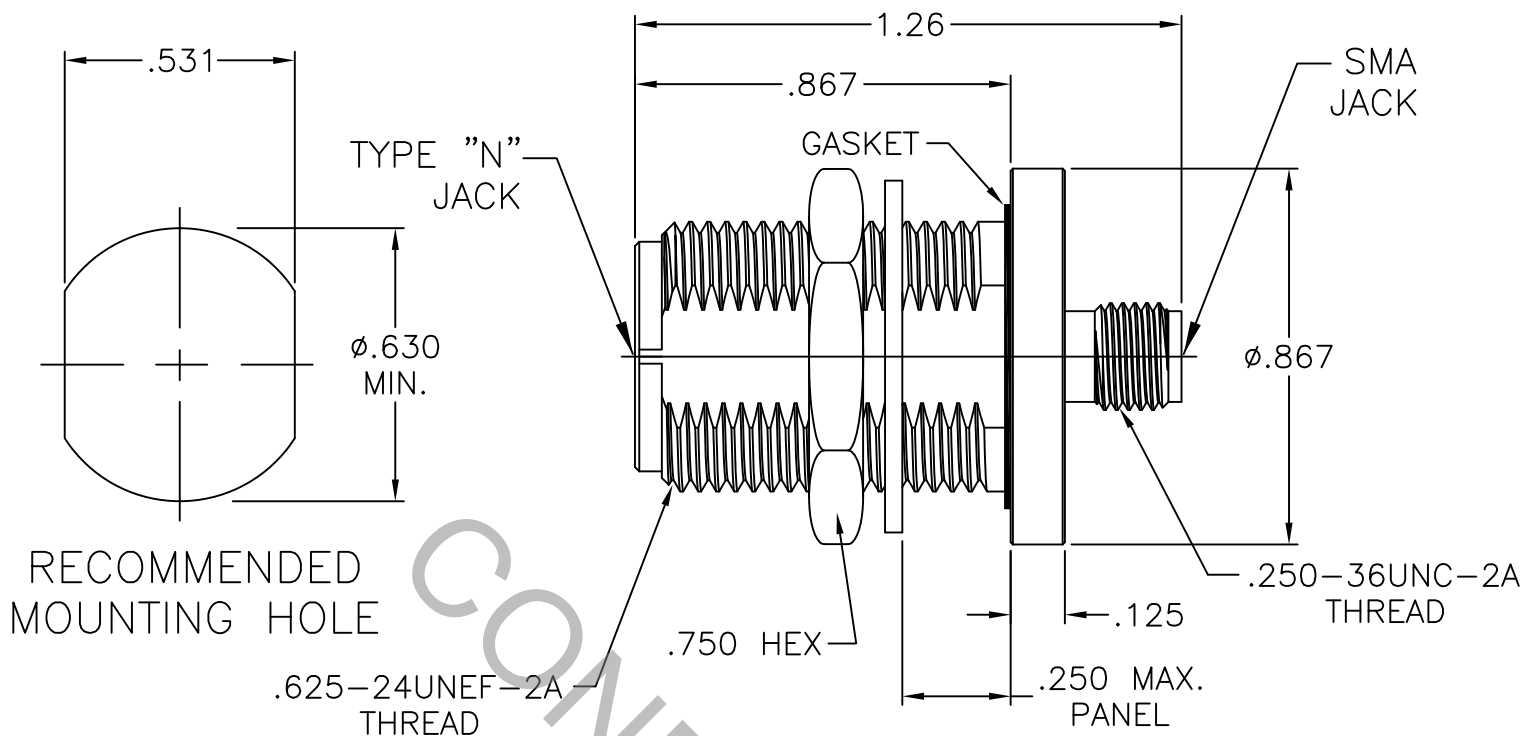


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 313.2) TYPE "N" JACK AND INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX) *	1.10 + .015 x FGHz.
INSERTION LOSS (dB MAX) *	.060 dB x √FGHz.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	600
RF LEAKAGE (MIN. dB DOWN)	60 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL MA. 01835
AA	12-1100	1/31/12	TS	DECIMALS      FRACTIONAL      ANGULAR .X ± .030                  1/64                  X° ± 15' .XX ± .010    X° X' ± 15' .XXX ± .005	TITLE TYPE "N" JACK TO SMA JACK, HERMETIC BULKHEAD ADAPTER
				DRAWN    TS    DATE    1/31/12 APPROVED DC    DATE    1/31/12	
				CODE IDENT.      SHEET 1 OF 2 2J899	
					DWG. NO. 1120-7599-6200

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

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

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 32.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

### RECOMMENDED MATING TORQUE

- INTERFACE \_\_\_\_\_ 15-18 In.Lbs.
- PACKAGE \_\_\_\_\_ 30-35 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. ) ( 450 VRMS )

HERMETICITY \_\_\_\_\_  $1 \times 10^{-8}$  cc/sec

## 5. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER \_\_\_\_\_ 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.

INSULATORS \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

GLASS PIN \_\_\_\_\_ KOVAR PER MIL-I-23011

GLASS \_\_\_\_\_ CORNING 7070

GASKET \_\_\_\_\_ FLOUROSILICONE PER MIL-R-25988, TYPE 1, CLASS 1, GRADE 60/3.

## 6. FINISH

CONNECTOR BODY, LOCKNUT AND LOCKWASHER \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN.)

GLASS PIN \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C  
(.000025 MIN.) OVER NICKEL PER QQ-N-290  
(.00010 MIN.)

INSULATOR AND GASKET \_\_\_\_\_ N/A