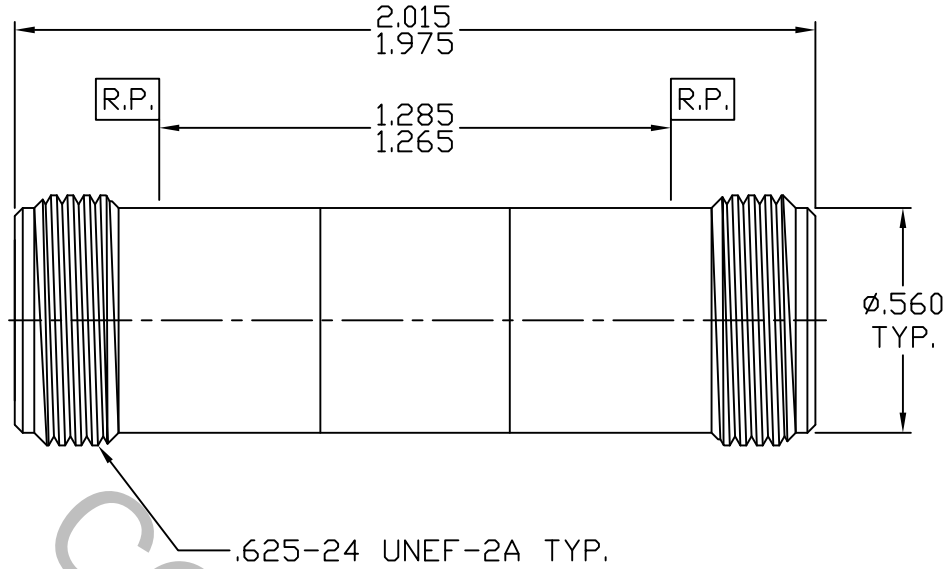


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348-304.2


2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX) *	1.30:1
INSERTION LOSS (dB MAX)	.060 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	1,500 PEAK
RF LEAKAGE (MIN. dB DOWN)	90 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)	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	04-2201	10/8/04	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15'	TITLE N JACK TO N JACK ADAPTER
AB	14-1870	7/22/14	DC	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ .			
				DRAWN	DC	DATE	10/8/04
				APPROVED	DC	DATE	10/8/04
				CODE IDENT.	SHEET		DWG. NO.
				2J899	1 OF 2		1100-7575-6220

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ 2.0 IN./OZ.

### CENTER CONTACT AXIAL FORCES (REAR)

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

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

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 10 TO 15 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. ) ( 375 VRMS )

## 5. MATERIAL

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

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290  
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)  
(.000010 MIN. THK.)

INSULATOR \_\_\_\_\_ N/A