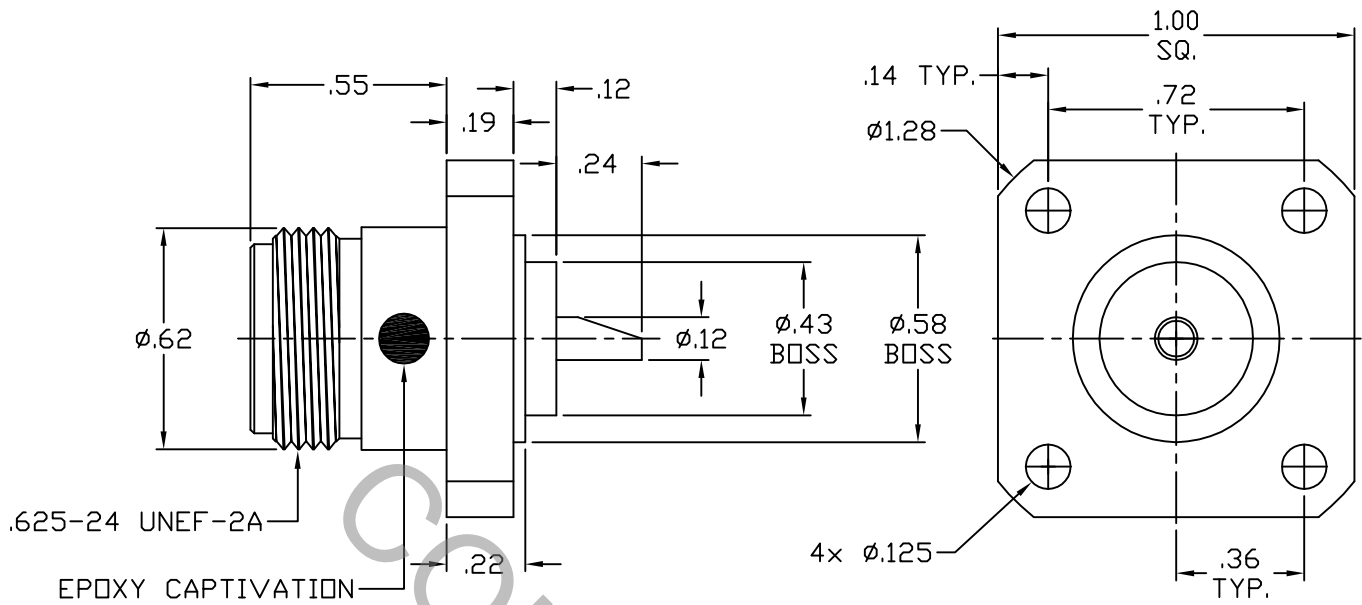


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 304-2

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 11.0 GHz.
VSWR (MAX.) *	_____	1.08 + .015 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.050 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	800
RF LEAKAGE (MIN. dB DOWN)	_____	-65 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)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	3.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			GEORGETOWN MA. 01833
				DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X° ± 1'0" X° X' ± 15"	
AA	05-1569	5/10/05	DC				TITLE N JACK, 4 HOLE FLANGE, SOLDER POT, EPOXY CAPTURED CONTACT
AB	05-1585	5/13/05	DC				
				DRAWN DC	DATE 5/10/05		
				APPROVED DC	DATE 5/10/05		
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 7554-0022-2764

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE _____ 6.0 LBS.
- MAX RADIAL TORQUE _____ 4.0 IN./OZ.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

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.) (625 VRMS)

5. MATERIAL

CONNECTOR BODY _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

6. FINISH

CONNECTOR BODY _____ NICKEL PER QQ-N-290, CLASS 1 OVER COPPER
PER MIL-C-14550 (.000010 MIN. THK.).

CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN.) OVER NICKEL PER QQ-N-290
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A