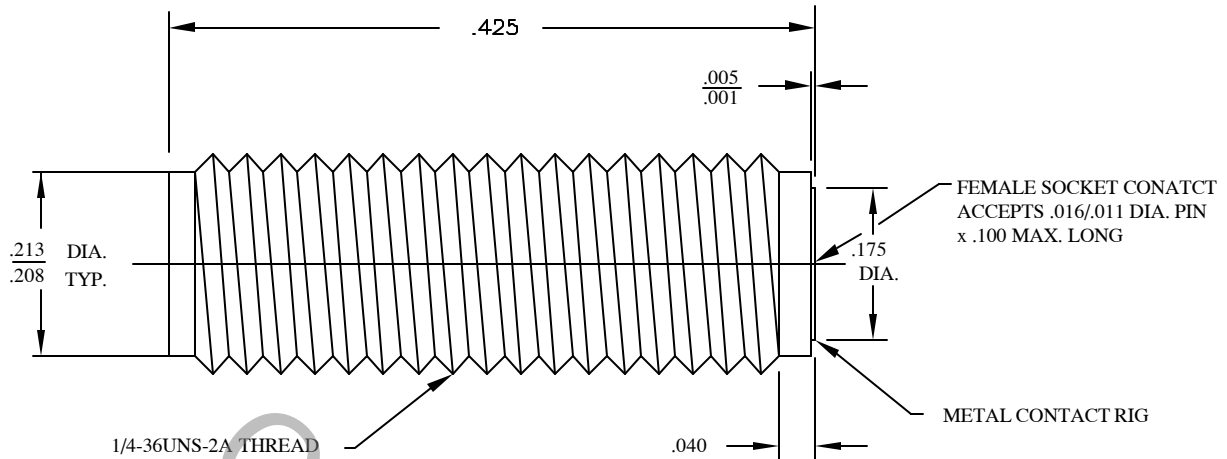


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) *	_____	1.05 + .004 x FGHz. TO 18 GHz. 1.05 + .006 x FGHz. 18 TO 26.5 GHz.
INSERTION LOSS (dB MAX.) *	_____	.035 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			INCORPORATED GEORGETOWN MA 01833
AA	04-1855	7/21/04	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± /64	ANGULAR X° ± 15' X' ± 16"	
				SURFACE ROUGHNESS 83 √ MIL-STD 10.			TITLE SMA, JACK SCREW-IN FIELD REPLACEABLE
				DRAWN MRH DATE 7/21/04			
				APPROVED DC DATE 7/21/04			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9930-0881-6412

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION—CENTER CONTACT

MAX. AXIAL FORCE _____ 8.0 LBS.
MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ INTERFACE 48.0; REAR 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0; REAR 1.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE

INTERFACE _____ 7 - 10 IN. LBS.
PACKAGE _____ 27 - 30 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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON PER MIL-R-19466, AND L-P-403, TYPE I

6. FINISH

BODY _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK) OVER NICKEL PER QQ-N-290, CLASS 1, (.000150 MIN. THK) OVER COPPER PER MIL-C-14550, (.000010 MIN. THK)

CONTACT _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR _____ N/A