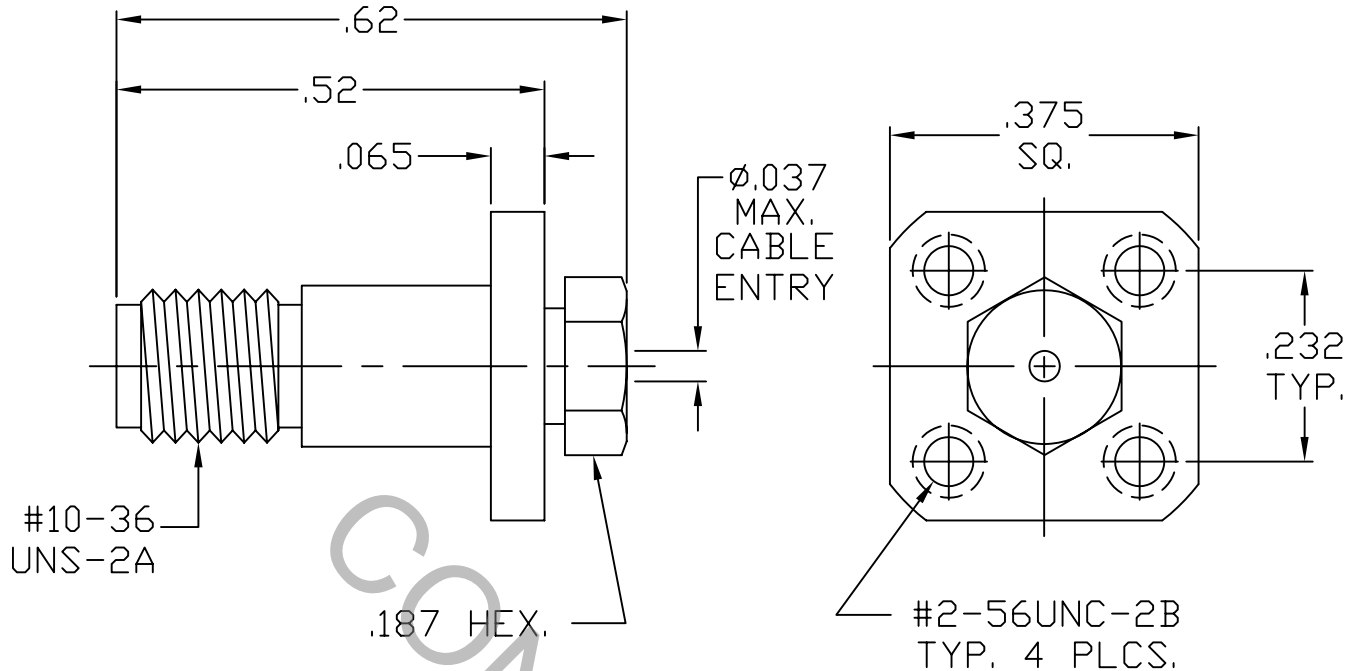


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per DYNAWAVE MD-97 (SSMA JACK AIR INTERFACE).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 46.0 GHz
VSWR (MAX.) *	1.12 + .010 x FGHz
INSERTION LOSS (dB MAX.) *	.05 dB x FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	744	4/90	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	
A	757	7/90	TS				
AA	08-1747	8/14/08	DC	DRAWN TS	DATE	4/90	TITLE SSMA JACK 4 HOLE FLANGE SOLDER CLAMP TO Ø.034 SEMI-RIGID CABLE
				APPROVED TS	DATE	4/90	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9754-3442-6202
				2J899			

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 _____ 5 - 8 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.) (125 VRMS)

5. MATERIAL

BODY, REAR NUT AND FERRULE _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C 17800, TEMPER TD04

INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 2, GRADE 1, CLASS A.

6. FINISH

BODY AND REAR NUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

FERRULE _____ GOLD PER ATSM-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 ATSM-B-488, TYPE I, CODE C, CLASS 2.5 (.00010 MIN. THK.) OVER NICKEL per QQ-N-290 (.000050 MIN. THK.) OVER COPPER per MIL-C-14550 (.000010 MIN. THK.)

INSULATOR _____ N/A