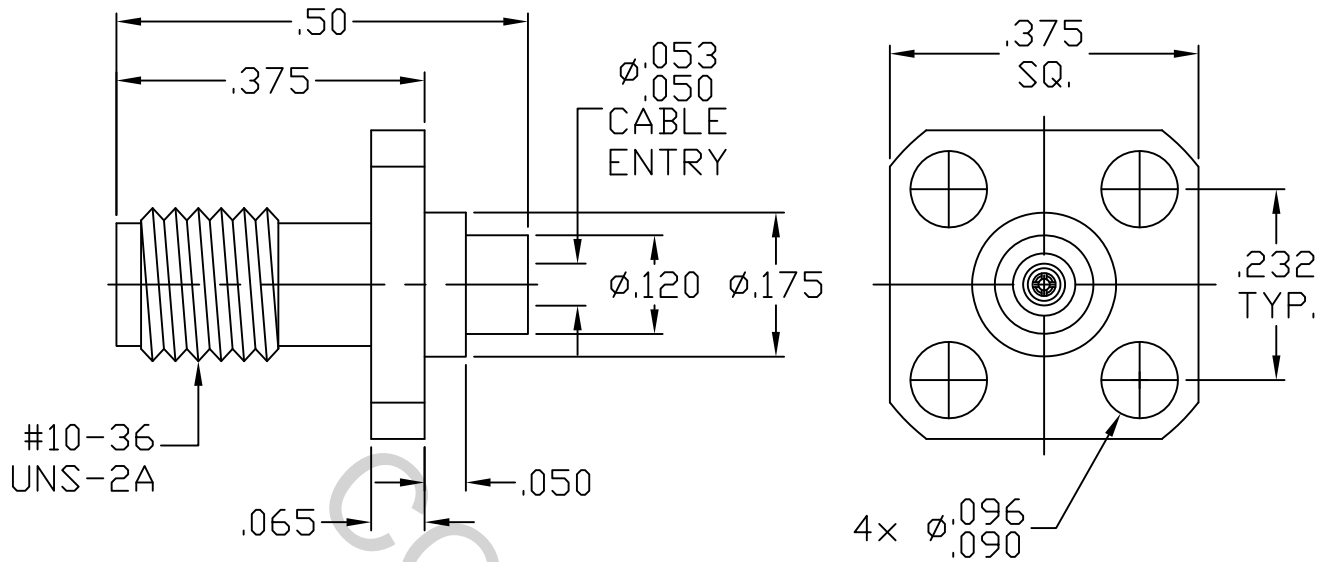


# SPECIFICATION CONTROL DRAWING



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


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 46.0 GHz
VSWR (MAX) *	_____	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX) *	_____	.045 dB x $\sqrt{\text{FGHz}}$
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

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	01-0247	3/21/01	DGG	.X ± .030		X ° ± 1° 0'	TITLE SSMA JACK 4 HOLE FLANGE DIRECT SOLDER TO Ø.047 SEMI-RIGID CABLE
AB	07-1102	1/30/07	DC	.XX ± .010	± 1/64	X ° X' ± 15'	
AC	18-1858	8/7/18	DC	.XXX ± .005			DWG. NO. 9754-4722-6440
				DRAWN KLF	DATE 3/21/01		
				APPROVED DGG	DATE 3/21/01		
				CODE IDENT.	SHEET 1 OF 2		
				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 \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

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

INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D1710.

## 6. FINISH

BODY \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27  
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290  
(.000150 MIN. THK.) OVER COPPER per AMS-2418  
(.000010 MIN. THK.)

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

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