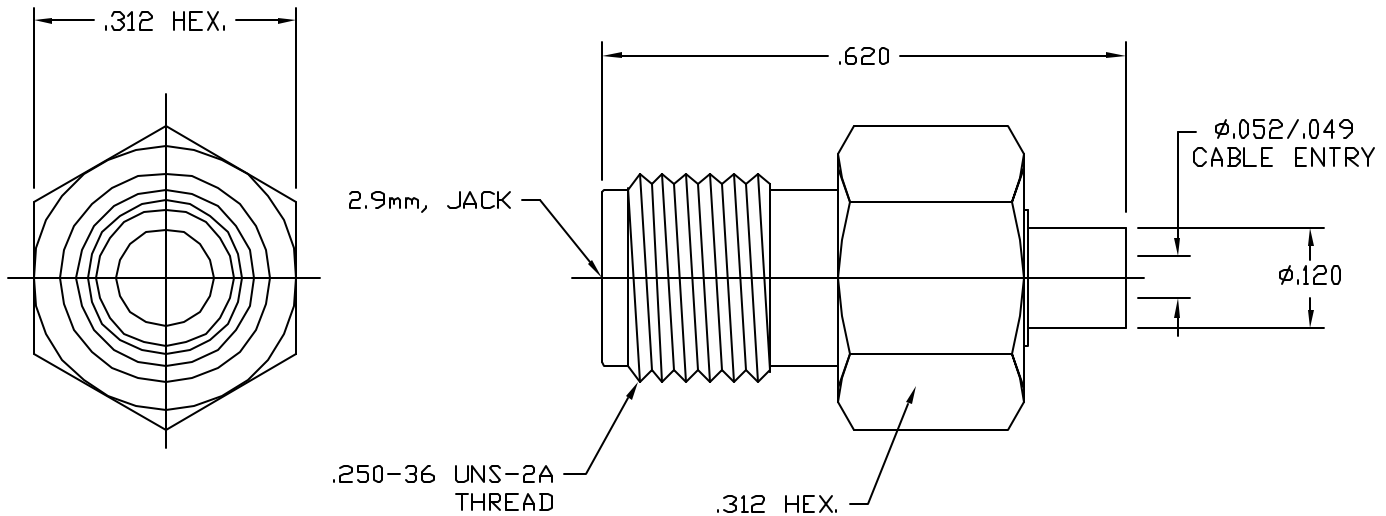


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.9mm, JACK per MD-95.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.15 + .01 x FGHz
INSERTION LOSS (dB MAX.)	_____	.06 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)	_____	-25° c TO + 100° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			INCORPORATED HAVERHILL, MA. 01835
AA	07-1367			DECIMALS	FRACTIONAL	ANGULAR	
				X ± .030 XX ± .010 XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	<b>TITLE</b> 2.9mm, JACK, BULKHEAD DIRECT SOLDER TO .047 SEMI-RIGID CABLE
				DRAWN: TS    DATE: 4/6/07			
				APP.: DC    DATE: 4/6/07			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9500-4720-6200

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.

MAX. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 48.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 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 ( -25° c TO +100° 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 106, COND. C ( 70,000 FT. ) ( 190 VRMS )

## 5. MATERIAL

CONNECTOR BODY AND SOLDER SLEEVE \_\_\_\_\_ STAINLESS STEEL PER ASTM 582, TYPE 303, COND. A

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY  
No. UNS 17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ PLASTIC COMPOSITE

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2

CENTER CONTACT \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5  
(.000100 Minimum Thickness) OVER NICKEL per  
QQ-N-290 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

SOLDER SLEEVE \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25  
(.000050 Minimum Thickness) OVER NICKEL per  
QQ-N-290, CLASS 1 (.000150 Minimum Thickness).

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