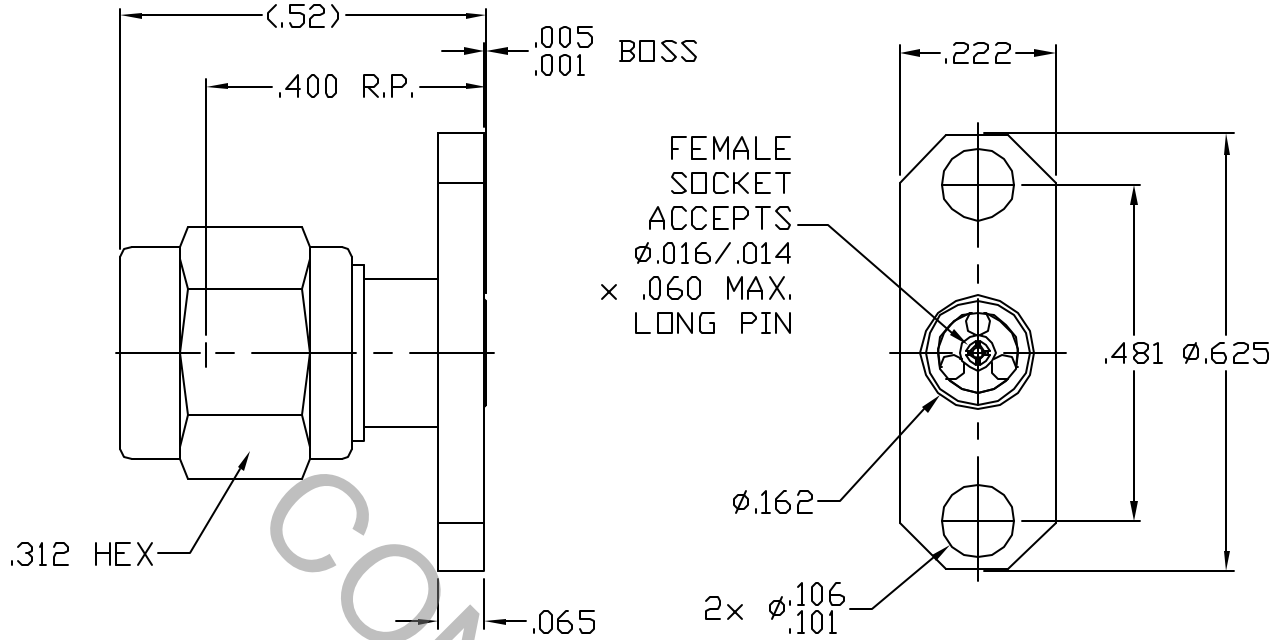


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.9mm (SMK) PLUG per MIL-STD-348-323.1

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.)	_____	1.05 + .01 x FGHz
INSERTION LOSS (dB MAX.)	_____	.03 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 + 125 °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 DECIMALS FRACTIONAL ANGULAR .X ⁺ .030 X ± 0° .XX ⁺ .010 † 1/64 X' X' E' .XXX [±] .005	 INCORPORATED HAVERHILL, MA. 01835
AA	05-1422	4/4/05	TS	DRAWN: TS DATE: 4/4/05	TITLE 2.9mm PLUG, 2 HOLE FLANGE MOUNT FOR .015 DIA. PIN
				APP.: DC DATE: 4/4/05	
				CODE IDENT. 2J899	DWG. NO. 9452-0085-6217
				SHEET 1 OF 2	

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 AND 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 _____	7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____	MIL-STD-202, METHOD 102, COND. C (-85° o TO +125° o)
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 & C/NUT _____	STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
CONTACT & RETAINING RING _____	BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.
INSULATOR _____	PLASTIC COMPOSIT
GASKET _____	SILICONE
SLEEVE _____	STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

6. FINISH

CONNECTOR BODY & C/NUT _____	PASSIVATE PER QQ-P-36A, TYPE I
CONTACT & SLEEVE _____	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR & GASKET _____	N/A