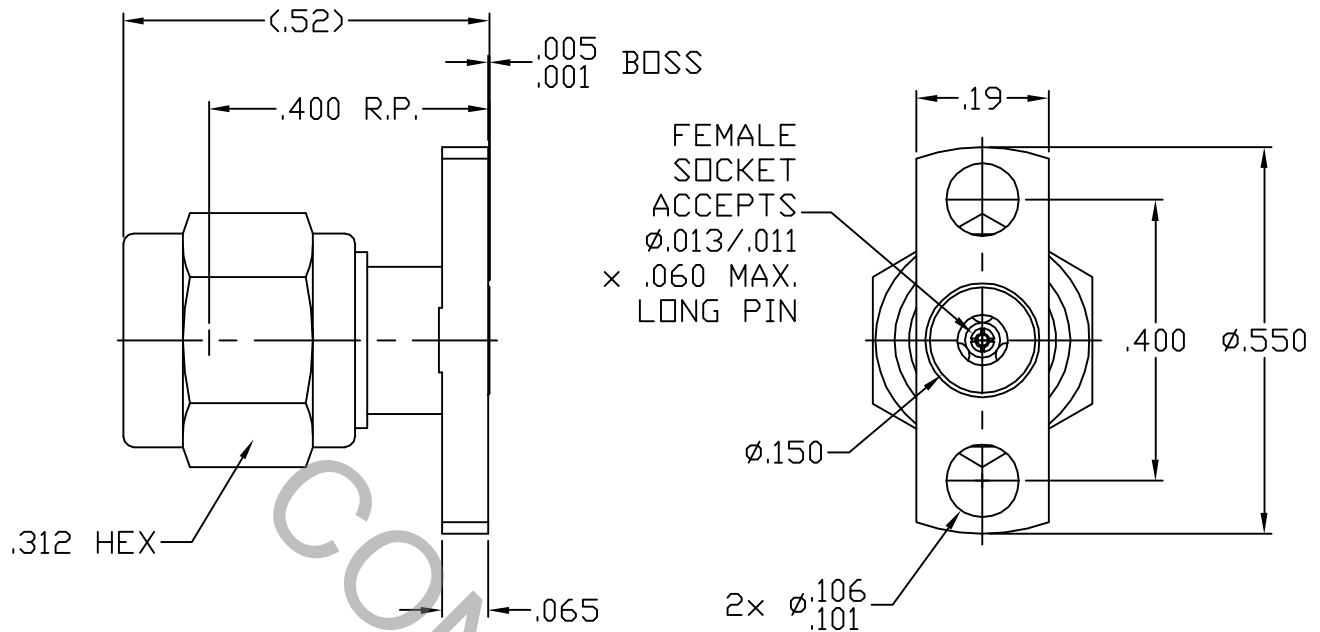


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per MIL-STD-348 Fig. 323.1 (SMK PLUG)

## 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

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	02-0505	6/7/02	TS	DECIMALS	FRACTIONAL	ANGULAR	
BA	08-1471	4/30/08	DC	.X +.030 .XX +.010 .XXX ±.005	± 1/64	X° ± 1'0" X° X' ± 15'	
				DRAWN: GE	DATE: 6/7/02	TITLE 2.92mm PLUG, 2 HOLE FLANGE FIELD REPLACEABLE ACCEPTS Ø.012 DIA. PIN	
				APP.: TS	DATE: 6/7/02		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	9452-0085-6214

# 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 ( -65 °C TO + 125 °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

CONNECTOR BODY & C/NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT & RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196, COPPER ALLOY AMS C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ PLASTIC COMPOSIT

GASKET \_\_\_\_\_ SILICONE

SLEEVE \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

## 6. FINISH

BODY & COUPLING NUT \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2

CONTACT \_\_\_\_\_ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 Min. Thk.) OVER NICKEL per QQ-N-290  
(.000050 Min. Thk.) OVER COPPER per MIL-C-14550  
(.000010 Min. Thk.).

CONTACT \_\_\_\_\_ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS .75  
(.000030 Min. Thk.) OVER NICKEL per QQ-N-290  
(.000050 Min. Thk.) OVER COPPER per MIL-C-14550  
(.000010 Min. Thk.).

INSULATOR, RETAINING RING & GASKET \_\_\_\_\_ N/A