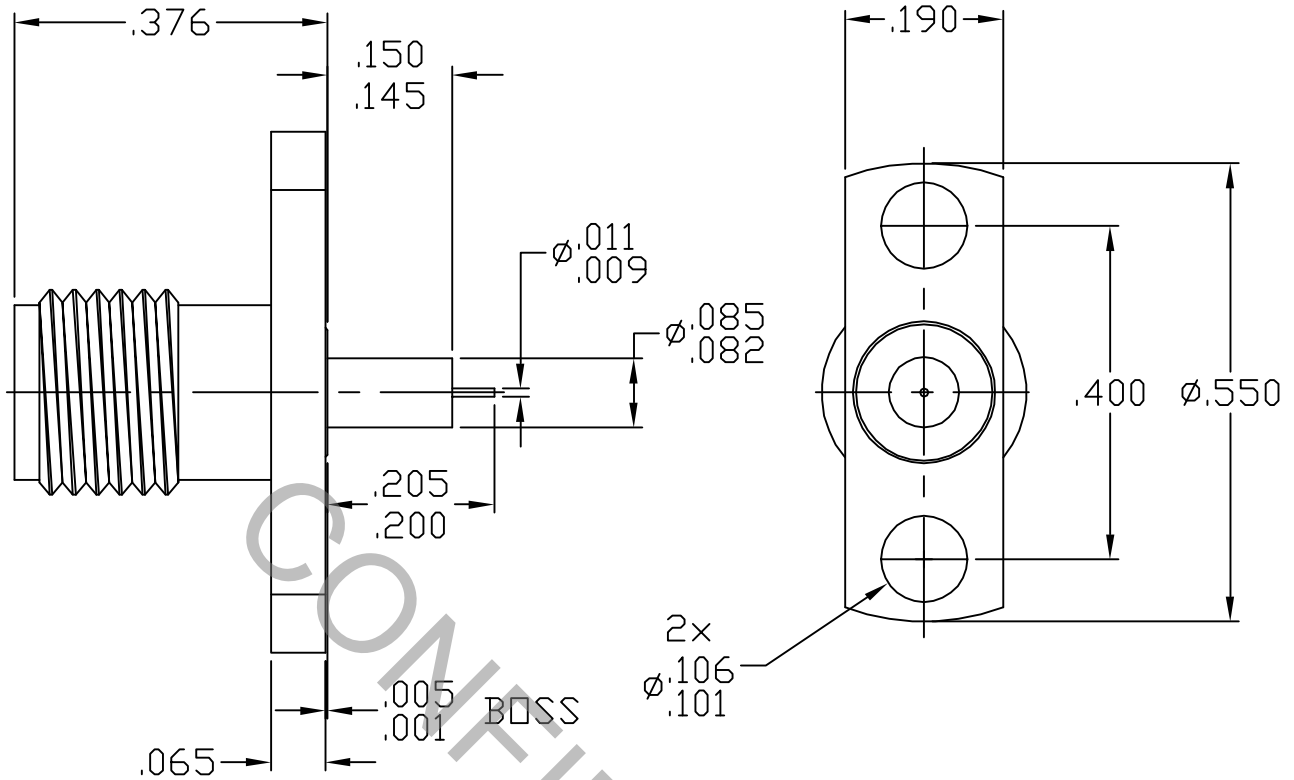


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR 2.92mm, SMK JACK per MIL-STD-348A FIG. 323.2

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.05 + .008 x FGHz
INSERTION LOSS (dB MAX.)	_____	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	167
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO + 125° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
● CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
● OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	07-1284	3/15/07	TS	.X + .030		X° ± 1° 0'	
AB	07-1306	3/20/07	TS	.XX + .010	± 1/64	X°X' ± 15'	
BA	07-1970	9/28/07	DC	.XXX ± .005			
				DRAWN: TS	DATE: 3/15/07	TITLE 2.9mm JACK, 2 HOLE FLANGE, EXTENDED DIELECTRIC, PIN TERMINAL	
				APP.: DC	DATE: 3/15/07		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9552-0035-6201	

# 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 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 ( -25 ° 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. ) ( 125VRMS )

## 5. MATERIAL

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

CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 197M-03, COPPER ALLOY  
No. UNS C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

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

## 6. FINISH

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

CONTACTS \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS .75  
(.000030 Minimum Thickness) OVER NICKEL per  
QQ-N-290 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATORS \_\_\_\_\_ N/A