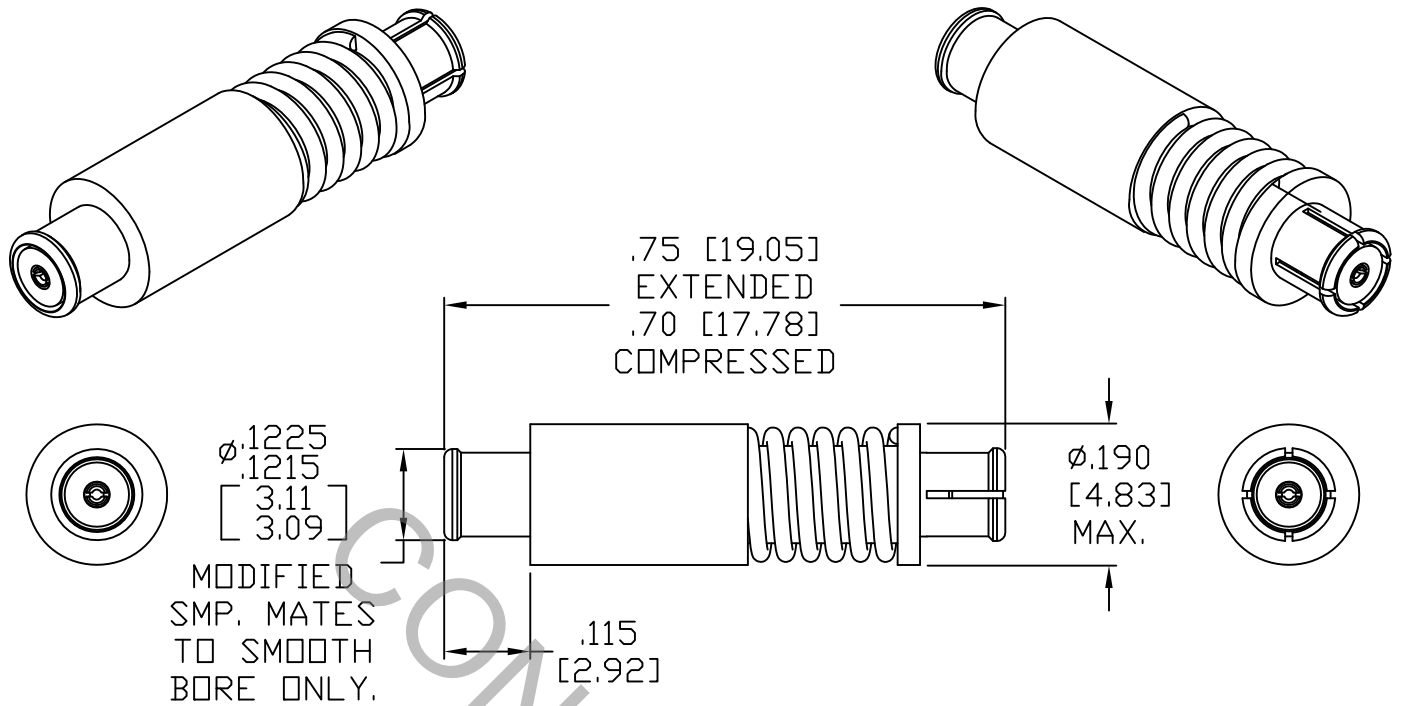


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.1 (SMP FEMALE).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.12 + .015 x FGHz
INSERTION LOSS (dB MAX) *	_____	.15 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	150
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	450
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

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	13-1046	1/10/13	TS	.X ± .030	± 1/64	X ° ± 1° 0'	
AB	13-1224	2/13/13	DC	.XX ± .010		X ° X' ± 15'	
				.XXX ± .005			
BA	13-1235	2/15/13	DC	DRAWN TS	DATE	1/10/13	
CA	13-1674	5/6/13	DC	APPROVED DC	DATE	1/10/13	
				CODE IDENT.	SHEET 1 OF 2		
				2J899	DWG. NO. 1160-2020-5408		

TITLE  
SMP FEMALE TO  
SMP FEMALE  
FLOATING ADAPTER

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE \_\_\_\_\_ 2.5 LBS.

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

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 1.0

CONNECTOR ENGAGEMENT (MAX. IN LBS.) \_\_\_\_\_ 15.0 FULL DETENT, 10.0 LIMITED DETENT, 2.0 SMOOTH BORE

CONNECTOR DISENGAGEMENT (MAX. IN LBS.) \_\_\_\_\_ 5.0 FULL DETENT, 2.0 LIMITED DETENT, 0.5 SMOOTH BORE

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 100 FULL DETENT, 500 SMOOTH BORE

CONNECTOR AXIAL SPRING FORCES \_\_\_\_\_ 1.5 MIN. PRELOAD, COMPRESSED 4.0 MAX

## 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. ) ( 110 VRMS )

## 5. MATERIAL

BODIES AND CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

SPRING \_\_\_\_\_ STAINLESS STEEL PER AMS 5688, TYPE 302, SPRING TEMPER

INSULATORS \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS 4..

## 6. FINISH

BODIES & CONTACTS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN. THK) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000100 MIN. THK) OVER COPPER PER AMS 2418 (.000040 MIN. THK.)

SPRING \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

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