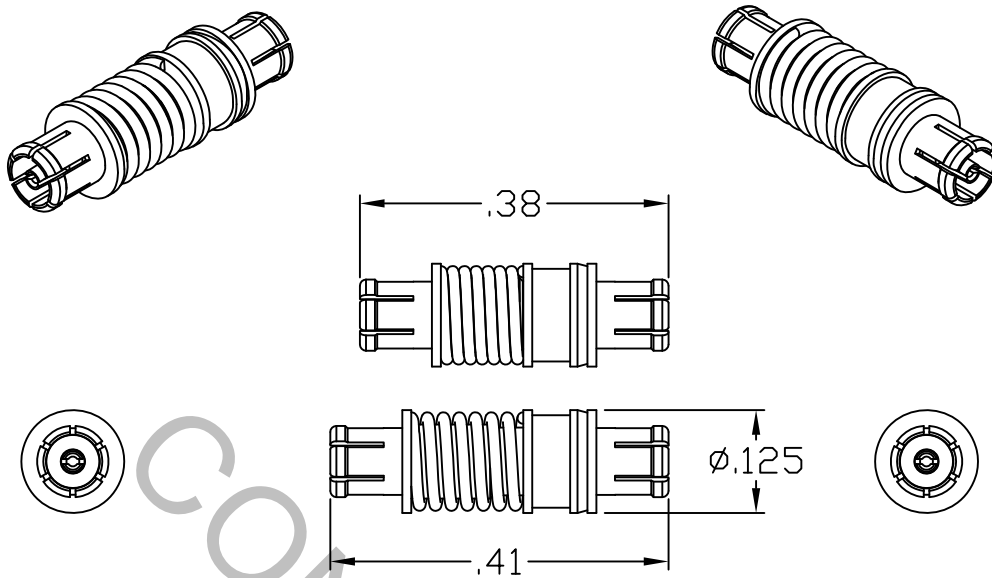


SPECIFICATION CONTROL DRAWING

REFERENCE; LOADED POSITION = .390 ± .010



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 328.1 (SMPM FEMALE).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.07 + .009 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	63
RF LEAKAGE (MIN. dB DOWN)	_____	-80 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	190
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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
AA	16-1107	1/27/16	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1° 0'	TITLE SMA, JACK 2 HOLE FLANGE DIRECT SOLDER TO .085 SEMI-RIGID CABLE
				.XX ± .010	± 1/64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN	DC	DATE	1/27/16
				APPROVED	DC	DATE	1/27/16
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			1160-3030-5467

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 1.5 LBS.

MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ 24.0

● WITHDRAWAL (MIN. OUNCES) _____ 1.0

CONNECTOR ENGAGEMENT (MAX. LBS.) _____ 6.5 DETENT, 1.5 SMOOTH BORE

CONNECTOR DISENGAGEMENT (MAX. LBS.) _____ 5.0 DETENT, 0.05 SMOOTH BORE

CONNECTOR DURABILITY (MIN. CYCLES) _____ 100 DETENT, 500 SMOOTH BORE

SPRING FORCE _____ (1.65) LBS FULLY COMPRESSED

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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.) (48 VRMS)

5. MATERIAL

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

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

INSULATORS _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

SPRING _____ MUSIC WIRE PER ASTM-A228 OR AMS-5112.

6. FINISH

SLEEVE _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

BODIES _____ 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.)

CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

SPRING _____ NICKEL PER SAE-AMS-QQ-N-290 CLASS 1, (.000200 MIN. THK.) OVER WOODS OR WATTS NICKEL (.000010 MIN. THK.)

INSULATORS _____ N/A