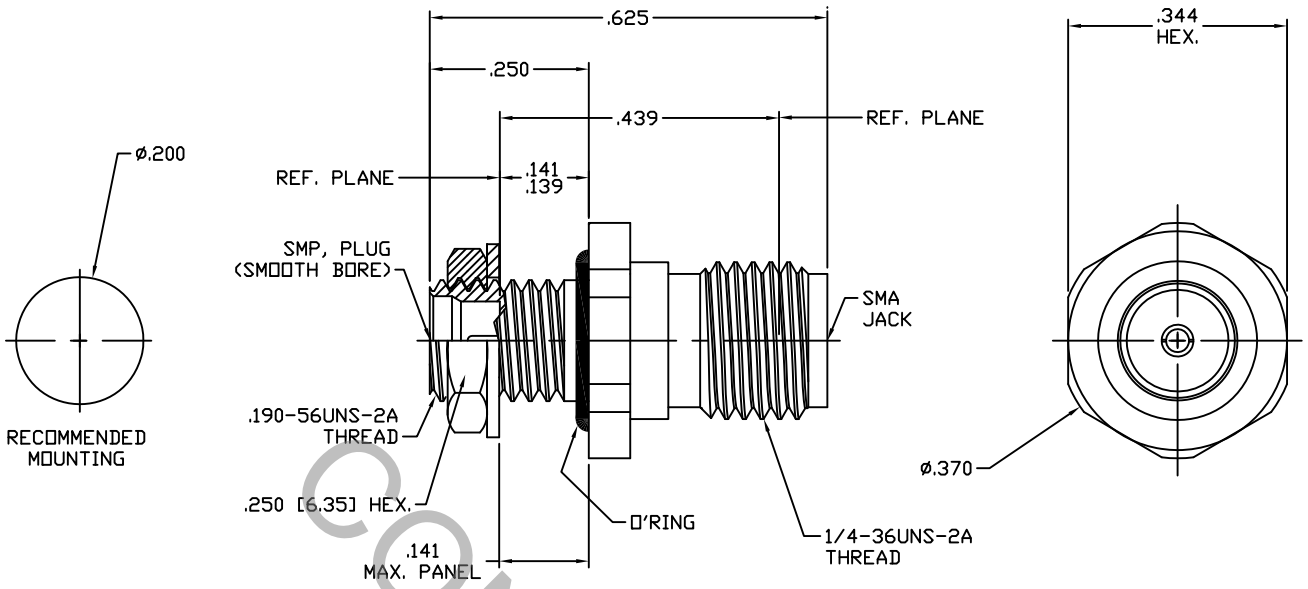
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 326.4 (SMP, MALE, SMOOTH BORE) AND MIL-STD-348A Fig 310.2 (SMA, JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) ❋	1.05 + .005 x FGHz
INSERTION LOSS (dB MAX.) ❋	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
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.
AA	11-1894	10/10/11	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1°0' X ° X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN TS DATE 10/10/11

APPROVED DC DATE 10/10/11

TITLE SMP MALE, (SMOOTH BORE) TO SMA JACK, BULKHEAD PANEL ADAPTER

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1119-2199-6254

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX AXIAL FORCE	3.5 LBS.
MAX. RADIAL TORQUE	N/A
CONNECTOR ENGAGEMENT FORCE	
● INSERTION (MAX. LBS.)	2.0 (SMOOTH BORE)
● WITHDRAWAL (MIN. LBS.)	0.05 (SMOOTH BORE)
CONNECTOR DURABILITY (MIN. CYCLES)	500 (SMA, JACK) 1,000 (SMP, PLUG, SMOOTH BORE)
RECOMMENDED MATING TORQUE	7 – 10 IN. LBS. (SMA)

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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATORS	TEFLON PER ASTM D 1710–02, TYPE 1, CLASS 1, GRADE B.
O'RING	SILICONE RUBBER

6. FINISH

CONNECTOR BODY, LOCKNUT AND LOCKWASHER	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CENTER CONTACT	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 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.).
INSULATORS AND O'RING	N/A