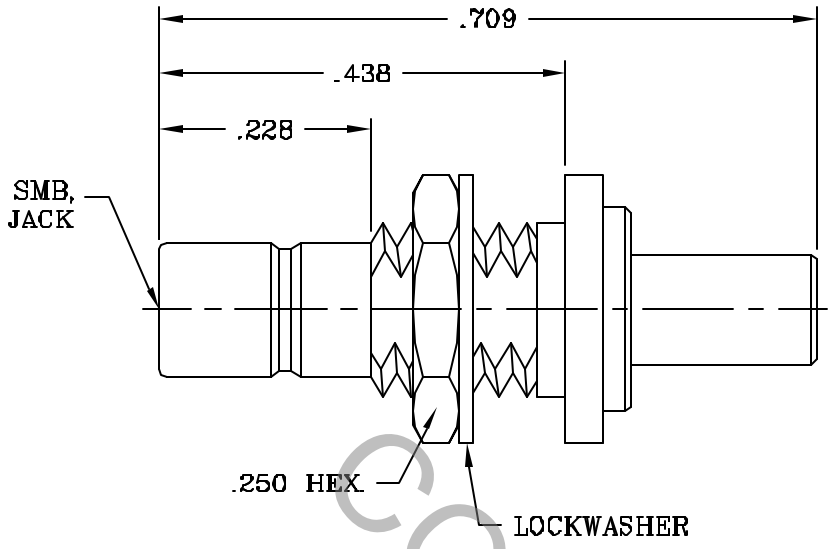
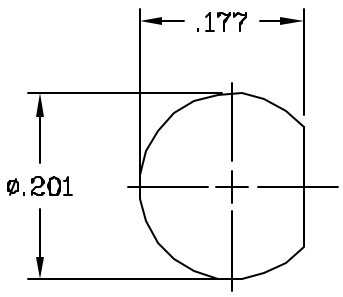
SPECIFICATION CONTROL DRAWING





RECOMMENDED MOUNTING HOLE

CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS FOR SMB, JACK PER MIL-STD-348A (Fig. 311-1) AND DYNAWAVE SPECIFICATION MD-35.

2. ELECTRICAL

FREQUENCY RANGE MHz	DC TO 4.0 GHz.
VSWR (MAX.) ❁	1.33
INSERTION LOSS (dB MAX.) ❁	.25 dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
TEMPERATURE RATING (DEGREES CENTIGRADE)	−55° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	1,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	0.5

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	03-1834	6/20/03	DC

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ±.030, .XX ±.010, .XXX ±.005
FRACTIONAL: ±1/64
ANGULAR: X° ±1°0', X°.X ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

DRAWN G.E. DATE 6/20/03

APPROVED DC DATE 6/20/03

CODE IDENT. 2J899

SHEET 1 OF 2

dynawave INCORPORATED
HAVERHILL MA. 01835

TITLE SMB, JACK BULKHEAD MOUNT STRAIGHT, DIRECT SOLDER FOR .085 SEMI-RIGID CABLE

DWG. NO. 3510-8520-2400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE ——— 3.0 LBS.
- MIN. RADIAL TORQUE ——— N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) ——— N/A
- WITHDRAWAL (MIN. OUNCES) ——— N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) ——— 14.0 / 2.0

CONNECTOR DURABILITY (MIN. CYCLES) ——— 500

ISTALLATION TORQUE ——— N/A

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65°c TO + 200°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.) (187 VRMS)

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5. MATERIAL

CONNECTOR BODY, HEX NUT, LOCKWASHER AND CENTER CONTACT	BRASS PER ASTM B16 TEMPER HO2 ALLOY C36000.
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY, HEX NUT, LOCKWASHER AND CENTER CONTACT	GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER QQ–N–290 CLASS 1 (.000150 MIN. THK.) OVER COPPR PER MIL–C–14550 (.000010 MIN. THK.)
INSULATOR	N/A