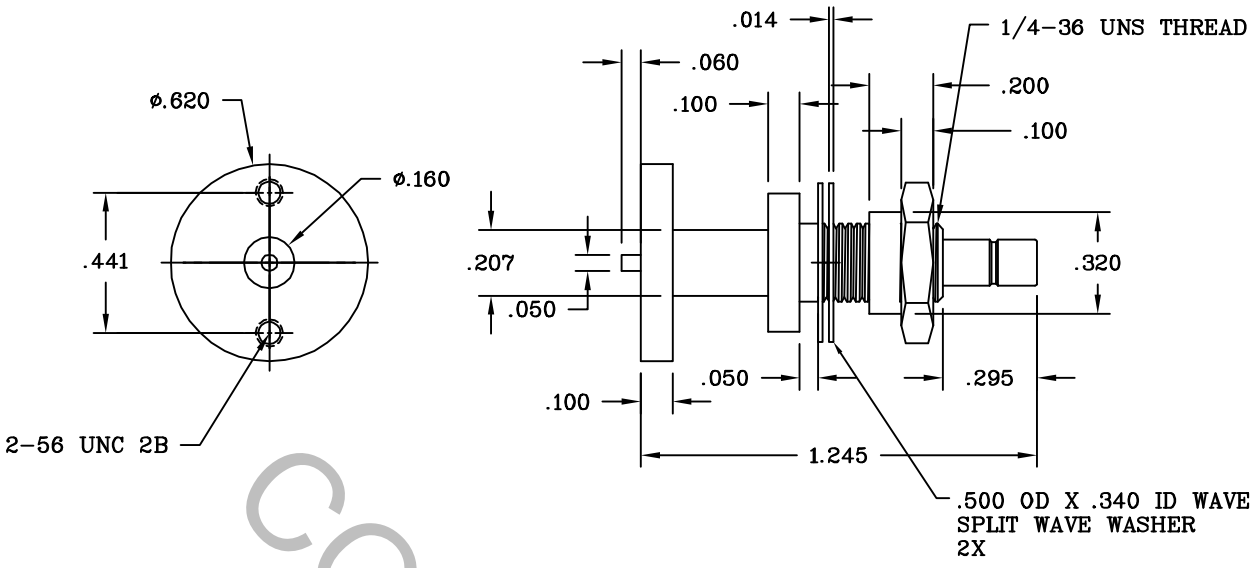
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-35.

2. ELECTRICAL

FREQUENCY RANGE MHz	DC TO 6.0 GHz.
VSWR (MAX.) *	1.15 + .015 x FGHz.
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)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	03-1314	3/7/03	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

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

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN BN DATE 3/7/03

APPROVED DC DATE 3/7/03

TITLE
SMB, JACK (MALE PIN)
ROUND FLANGE W/BOSS
ø.050 MALE PIN TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 3512-0031-2400

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MAX. AXIAL FORCE ——— 4.0 LBS.
- MAX. RADIAL TORQUE ——— N/A

CENTER CONTACT MATING 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

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.) (190 VRMS)

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5. MATERIAL

CONNECTOR BODY	BRASS PER ASTM B16 TEMPER HO2 ALLOY C36000.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR	TEFLON PER ASTM D 4894–91

6. FINISH

CONNECTOR BODY	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK) OVER NICKEL PER QQ–N–290, CLASS 1 (.000150 MIN. THK>) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.).
CENTER CONTACT	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.).
INSULATOR	N/A