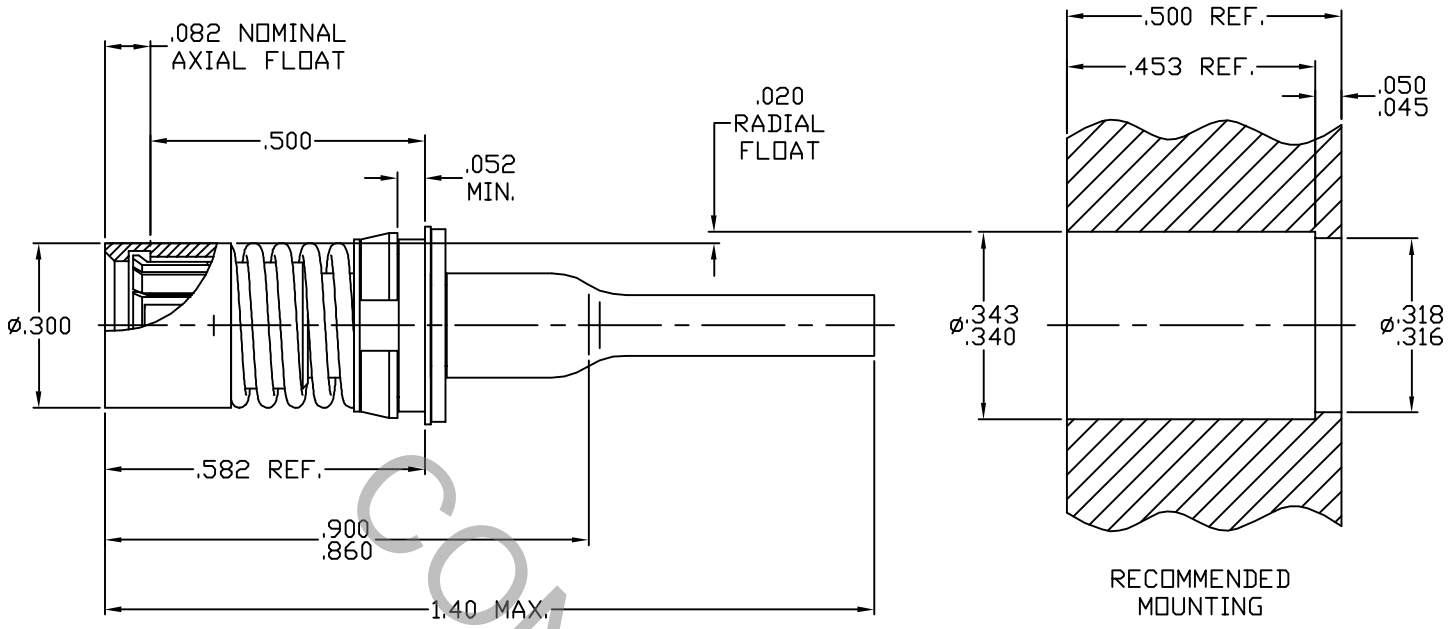
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 321.2 (BMA, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) ❋	1.07 + .008 x FGHz.
INSERTION LOSS: (dB MAX.)	
• INTERFACE GAP (.000 TO .015)	.030 dB x $\sqrt{\text{FGHz.}}$
• INTERFACE GAP (.016 TO .030)	.060 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	
• INTERFACE BOTTOMED (.000 GAP)	-100 dB - FGHz
• INTERFACE GAP (.001 TO .015)	-75 dB - FGHz
• INTERFACE GAP (.016 TO .030)	-60 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	07-1513	5/11/07	TS
AB	07-1627	6/22/07	DC

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 5/11/07

APPROVED DC DATE 5/11/07

TITLE
BMA JACK, FLOATING
PANEL, REAR MOUNT, CRIMP TO
RG316/U, 179, 187 AND 188 CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 6760-1630-6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) — INTERFACE 32.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0

CONNECTOR DURABILITY (MIN. CYCLES) — 1,000

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.) (190 VRMS)

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5. MATERIAL

CONNECTOR BODY	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
SPRING	STAINLESS STEEL PER ASTM-A-313 OR AMS 5688, TYPE 302, SPRING TEMPER
CENTER CONTACT & SPRING FINGERS	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER TD04
INSULATOR	TEFLON PER ASTM D-1710-02, TYPE 1, GRADE 1, CLASS B.
CENTER CONTACT HOOD	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

6. FINISH

CONNECTOR BODY AND SPRING	PASSIVATE PER AMS QQ-P-35, TYPE 2
CENTER CONTACT ASSY & SPRING FINGERS	GOLD PER ASTM-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