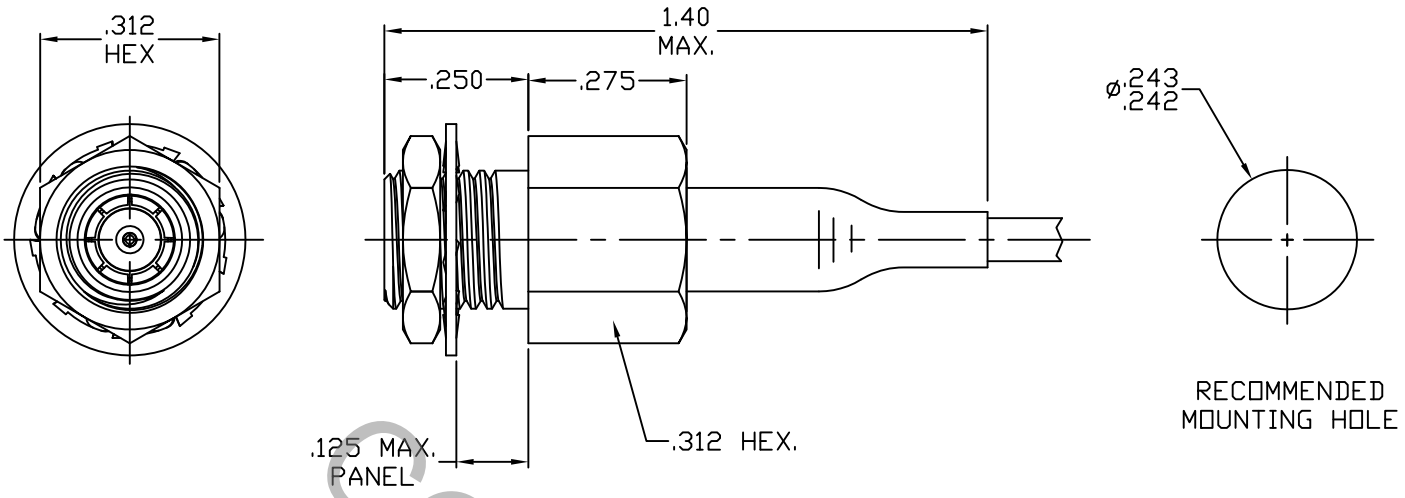
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS Per DYNAWAVE SPECIFICATION MD-65 (BMAM JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.4 GHz
VSWR (MAX.) ❋	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX.) ❋	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	−90 dB − FGHz (INTERFACE ONLY)
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)	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.
AA	16-2079	9/6/16	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	9/6/16
APPROVED	DC	DATE	9/6/16

TITLE
BMAM JACK,
BULKHEAD, CRIMP,
RG58, 142, 223, 400

CODE IDENT.	SHEET 1 OF 2	DWG. NO.
2J899		6510-1830-6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — 4.5 LBS.
- MIN. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — 32.0
- WITHDRAWAL (MIN. OUNCES) — 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) — 3.0
CONNECTOR DURABILITY (MIN. CYCLES) — 500
RECOMMENDED MATING TORQUE — N/A
RECOMMENDED MOUNTING TORQUE — 15 – 18 IN. LBS.

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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.) (190 VRMS)

5. MATERIAL

BODY & HEX NUT	STAINLESS STEEL PER ASTM–A–582, TYPE 303, COND. A
CONTACTS & SPRING FINGERS	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.
LOCKWASHER	400 SERIES STAINLESS STEEL.
CRIMP SLEEVE & HOOD	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
SHRINK TUBING	MIL–PRF–23053/5 CLASS 1, BLACK

6. FINISH

BODY, LOCKWASHER & HEX NUT	PASSIVATE PER AMS–2700, TYPE 2, CLASS 4.
CRIMP SLEEVE	NICKEL PER SAE–AMS–QQ–N–290 CLASS 1.00 (.000200 MIN. THK.) OVER COPPER PER AMS–2418 (.000010 MIN. THK.)
CONTACTS, HOOD & SPRING FINGERS	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.)
INSULATOR & SHRINK TUBING	N/A