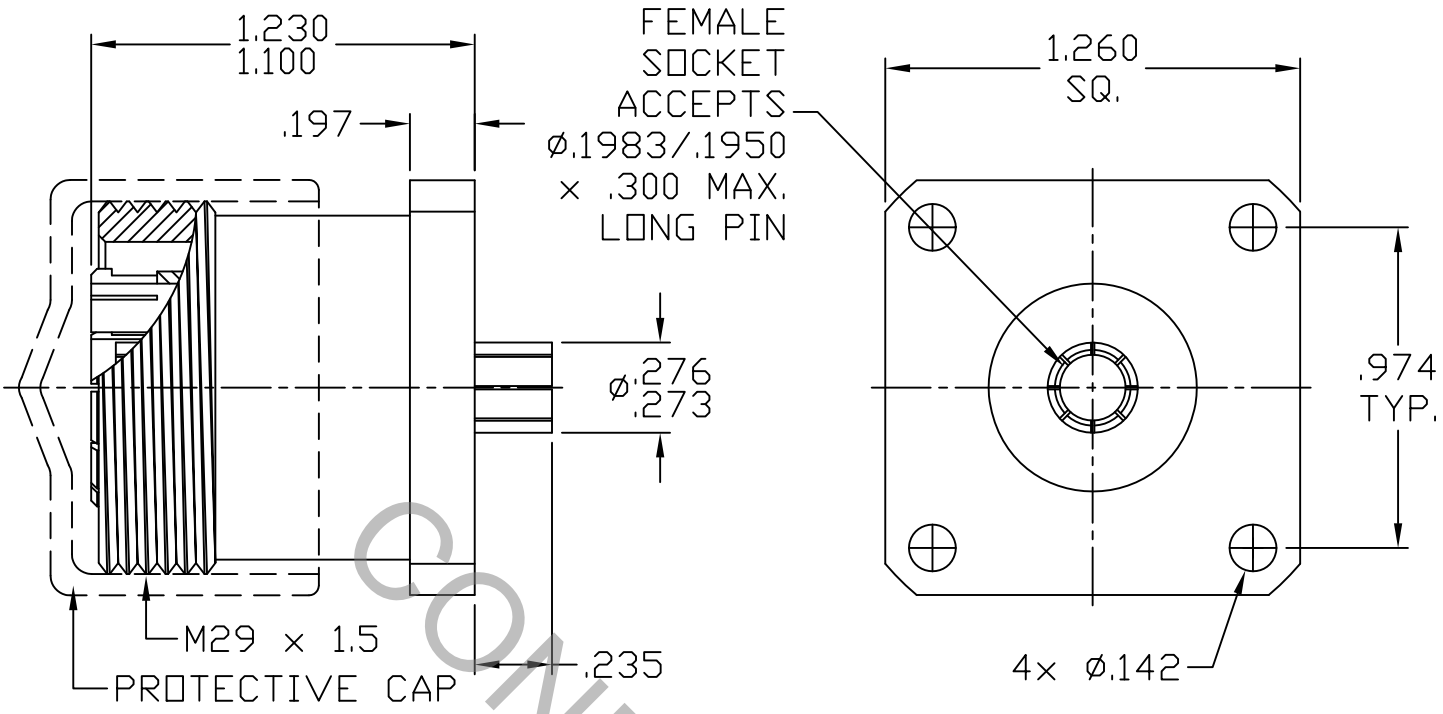
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS Per IEC 169-4 (7/16 JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6.0 GHz
VSWR (MAX.) ❋	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX.) ❋	.15 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	1,667
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	5,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	1.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	08-1196	2/21/08	DC
AB	08-1199	2/22/08	DC
AC	08-2058	12/10/08	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 DC DATE 2/21/08

APPROVED DC DATE 2/21/08

TITLE 7/16 JACK
4 HOLE FLANGE
FIELD REPLACEABLE
ACCEPTS ø.197 PIN

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 4954-0081-2198

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX. AXIAL FORCE — 6.0 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT AXIAL FORCES
- INSERTION (MAX. OUNCES) — INTERFACE 48.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) — 8.0

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE — 30 – 35 IN. LBS.

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4. ENVIRONMENTAL

THERMAL SHOCK	MIL–STD–202, METHOD 107, COND. B (–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.) (1,250 VRMS)

5. MATERIAL

BODY	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
CONTACT	BERYLLIUM COPPER PER ASTM–B–196–90, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 2, GRADE 1, CLASS A.
PROTECTIVE CAP	VINYL (BLACK), STOCKCAP FORMULA 701 OR EQUIVALENT.

6. FINISH

BODY	SILVER PER QQ–S–365, TYPE 2, GRADE A (.000300 MIN. THK.) OVER COPPER per MIL–C–14550 (.000010 MIN. THK.)
CONTACT	SILVER PER QQ–S–365, TYPE 2, GRADE A (.000300 MIN. THK.) OVER COPPER per MIL–C–14550 (.000010 MIN. THK.)
INSULATOR & PROTECTIVE CAP	N/A