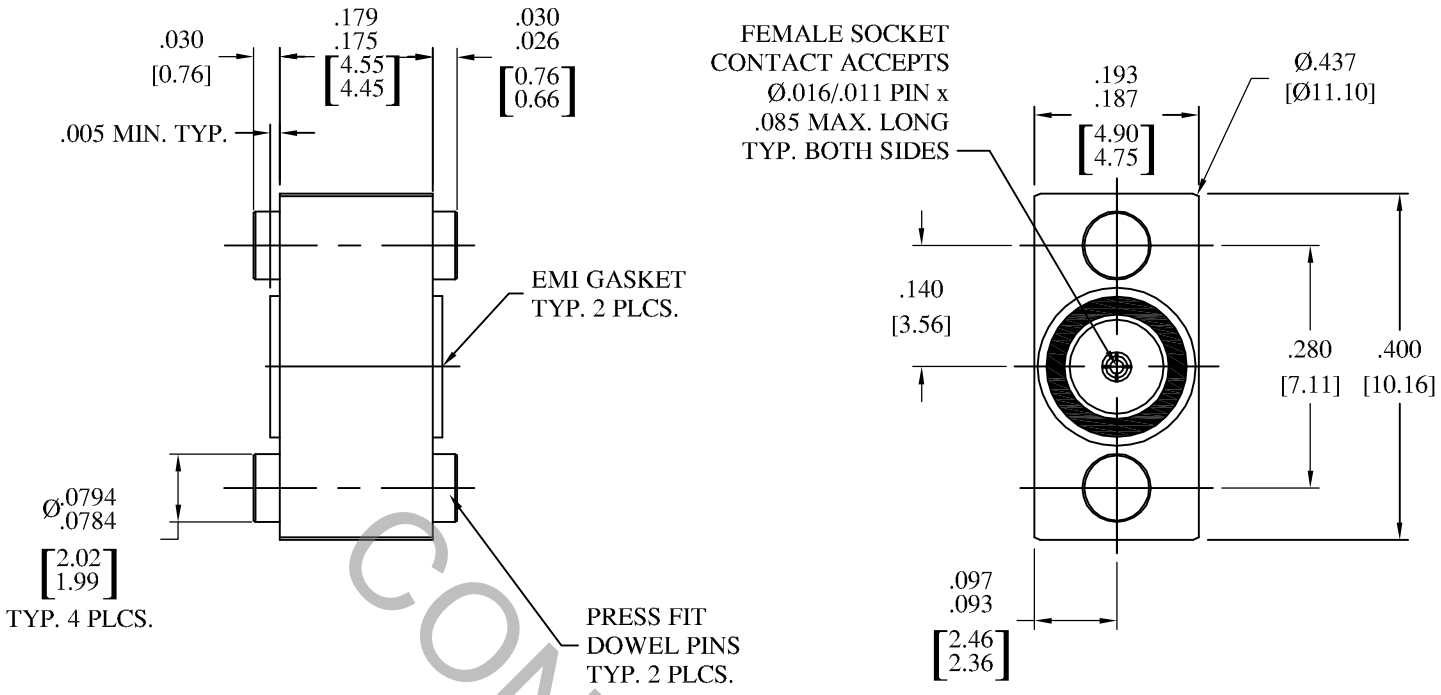
SPECIFICATION CONTROL DRAWING



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1. MATING NOT APPLICABLE

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 38.0 GHz
VSWR (MAX.) ❋	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.)	.03 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 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)	8.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	12–1345	4/26/12	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 4/26/12

APPROVED DC DATE 4/26/12

TITLE
MIC. PKG. INTERCONNECT
WITH DOWEL PINS

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 6352–0781–6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

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

CONNECTOR ENGAGEMENT FORCES

● INSERTION (MAX. OUNCES)	32.0
● WITHDRAWAL (MIN. OUNCES)	1.0
CONNECTOR DURABILITY (MIN. MATING)	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.) (190 VRMS

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5. MATERIAL

BODY AND DOWEL PINS	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196/B, 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS 4.
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE.

6. FINISH

BODY AND DOWEL PINS	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CONTACT	GOLD PER ASTM A 488, TYPE 1, 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 AND EMI GASKET	N/A