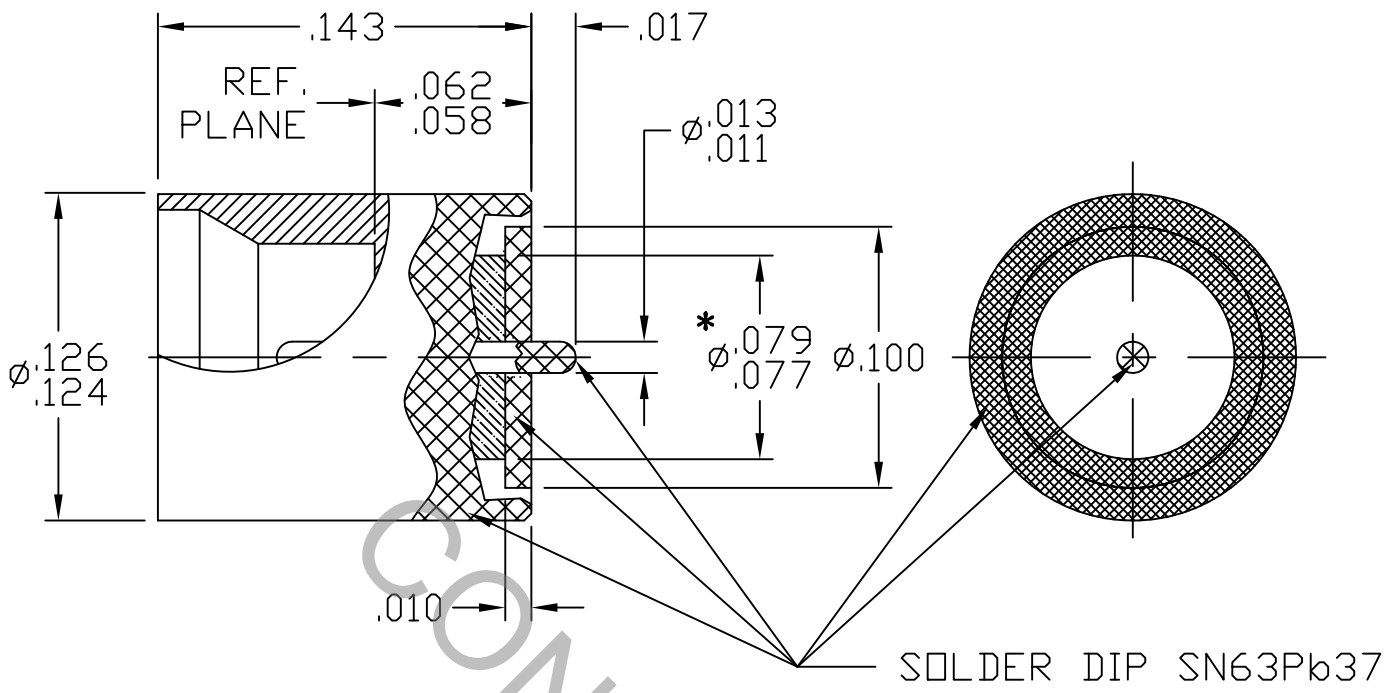
SPECIFICATION CONTROL DRAWING



* CUSTOMER REQUIRED DIA. TO SUPPORT 63 OHM DESIGN.

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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 FIG 328.3 (SMPM, PLUG SMOOTH BORE)

2. ELECTRICAL

FREQUENCY RANGE GHz	N/A
VSWR (MAX.) ❋	N/A
INSERTION LOSS (dB MAX.) ❋	N/A
NOMINAL IMPEDANCE (OHMS)	63
VOLTAGE RATING (MAX. VRMS)	N/A
RF LEAKAGE (MIN. dB DOWN)	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	N/A
INSULATION RESISTANCE (MIN. MEGOHMS)	N/A
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	14-1751	6/19/14	TS
AB	15-2136	8/10/15	TS

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ±.030 .XX ±.010 .XXX ±.005
FRACTIONAL ±1/64
ANGULAR X ° ±1 °0' X ° X' ± 15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN TS DATE 6/19/14

APPROVED DC DATE 6/19/14

TITLE SMPM, MALE, (SMOOTH BORE) HERMETICALLY SEALED SHROUD, SOLDER-IN

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 3149-0434-6441

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE ——— 2.5 LBS.
- MIN. RADIAL TORQUE ——— 1.5 IN. OZ.

CONNECTOR ENGAGEMENT FORCES
- INSERTION (MAX. OUNCES) ——— 1.5 LBS.
- WITHDRAWAL (MIN. OUNCES) ——— 0.05 LBS.

CONNECTOR DURABILITY (MIN. MATING) ——— 500

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)
HERMITICITY ——— 1×10^{-8} cc/SEC.

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5. MATERIAL

CONNECTOR BODY ——— STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

GLASS PIN ——— KOVAR, IRON–NICKEL ALLOY PER SAE–AMS–I–23011.

GLASS ——— CORNING 7070

6. FINISH

CONNECTOR BODY AND GLASS PIN ——— GOLD PER ASTM A 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THICK) OVER NICKEL SAE AMS PER QQ–N–290, CLASS 1
(.000050 MIN. THICK) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

GLASS ——— N/A