



| REVISIONS | | | |
|-----------------|--------------------------------|-------------------|---------------------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 02 ₁ | REDRAWN IN CAD PER ECN 98-0001 | PATLAN 4-23-98 | <i>[Signature]</i> 8/24/1998 |

RECOMMENDED MOUNTING HOLE

| | | |
|----------------|--|----------------------------|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 |
| MOUNTING NUT | | |
| LOCKWASHER | | |
| DIELECTRIC | PTFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| CONTACT EXT | IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR) | GOLD PLATE PER MIL-G-45204 |
| O-RING | SILICONE RUBBER PER ZZ-R-765 | N/A |
| HERMETIC SEAL | GLASS BEAD | N/A |

| COMPONENT | MATERIAL | FINISH |
|---|--------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| DRAWN BY BWC DATE 07-02-68 | | M/A-COM a Division of AMP Incorporated 140 Fourth Avenue Waltham, MA 02154-7577 |
| CHECKED BY FRB DATE 07-02-68 | | |
| APPD BY BWC DATE 02-14-69 | | |
| TITLE HERMETICALLY SEALED STRAIGHT BULKHEAD JACK RECEPTACLE | | |
| USE ASSY PROCEDURE | NO. A.P. N/A | SCALE 5:1 |
| FRAC. DEC. ANGLES ± 1/64 ± .005 ± 1° | | SIZE B CODE IDENT NO. 2056-3100-00 REV 02 ₁ |
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| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310-2 | Temperature Rating <u>-65° TO +165°C</u> |
| Frequency Range (GHz) <u>DC to 18</u> | Recommended Mating Torque <u>7-10 IN-LBS</u> | Vibration MIL-STD-1344, Method 2005, Condition IV |
| Volt Rating (VRMS MAX) @ Sea Level <u>335</u> | Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u> | Shock MIL-STD-1344, Method 2004, Condition G |
| VSWR <u>1.05 + .01f(GHz)</u> | Withdrawal (MIN Oz) <u>1.0</u> | Thermal Shock MIL-STD-1344, Method 1003, Condition A, Except High Temp +200°C |
| Insertion Loss (dB MAX) <u>.04√f(GHz)</u> | Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-[70-f(GHz)]</u> | Center Contact Captivation Axial (Lbs) <u>6.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u> | Radial (In-Oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u> | Cable Retention Axial Force (Lbs) <u>N/A</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>7.0</u> | Torque (In-Oz) <u>N/A</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>TBD</u> | |
| Cable to Housing <u>N/A</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u> | | |
| LR.(Megohms MIN) <u>5,000</u> | | |

.XXX = in
XX.X = mm (REF)

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