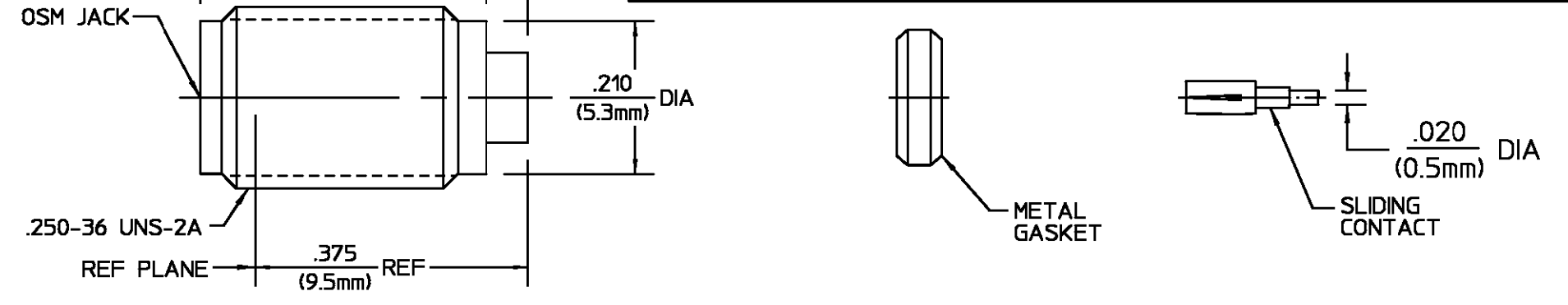


| REVISIONS | | | |
|-----------------|---|----------------------|-------------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₀ | RELEASED | 2/1988 | BAR |
| 01 ₁ | UPDATED AND REDRAWN IN CAD, ECN 88-0678 | KCM 5/3/90 | CW |
| 01 ₂ | MINOR CHANGES PER ECN 95-0321 | 07/24/95 07/25/95 | <i>OP</i> <i>RJK</i> |



| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348, Fig. 310.2 | Temperature Rating <u>-65°C To +165°C</u> |
| Frequency Range (GHz) <u>DC - 18</u> | Mating Characteristics: | Vibration - MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) <u>335</u> | Insertion (MAX Lbs) <u>3.0</u> | Shock - MIL-STD-202, Method 107, Condition I |
| VSWR <u>1.04 ±.009 *fGHz</u> | Withdrawal (MIN Oz) <u>1.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition B |
| Insertion Loss (dB MAX) <u>.05√F(GHz)</u> | Force To Engage (In/Lbs MAX) <u>2.0</u> | Moisture Resistance - MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-(100 - F(GHz))</u> | Force To Disengage (In/Lbs MAX) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>333</u> | Center Contact Captivation | Leak Test Per MIL-STD-202, Method 112, Condition C. |
| Dielectric Withstanding Voltage (VRMS MIN) <u>1000 @ sea level</u> | Axial <u>6.0 Lbs</u> | Procedure 1 <u>1*10⁻⁸cc/sec</u> |
| Contact Resistance (Milliohms MAX) | Radial <u>1.0 IN-OUNCE MIN</u> | |
| Center Contact <u>10.0</u> | Weight (Grams) <u>T.B.D.</u> | |
| Outer Contact <u>2.0</u> | | |
| RF High Potential (VRMS MIN @ 5 MHz) <u>667 @ sea level</u> | | |
| I.R.(Megohms) <u>5000</u> | | |

| | | |
|----------------------|--|--|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-C-45204 OVER COPPER PLATE PER MIL-C-14550 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B196 ALLOY 173 | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| CONTACT EXT. BUSHING | IRON-NICKEL ALLOY PER MIL-I-23011 CLASS 1 (KOVAR) | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| HERMETIC SEAL | CORNING #7052 | N/A |
| METAL GASKET | SAE B-113 STEEL | SILVER PLATE OVER NICKEL PER QQ-S-365 |

| COMPONENT | MATERIAL | FINISH |
|---|--|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DRAWN BY <u>B.ZAMB</u> DATE <u>11/3/87</u> | AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| FRAC. DEC. ANGLES | CHECKED BY | |
| ± 1/64 ±.005 ± ° | APPD BY | |
| These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission. | USE ASS'Y PROCEDURE | TITLE <u>OSM HERMETICALLY SEALED ENVIRONMENTALLY DURABLE JACK RECEPTACLE, W/SLIDING CONTACT</u> |
| | NO. AP. <u>408-04867 (20-747)</u> | SIZE <u>B</u> CODE IDENT NO. <u>26805</u> <u>2058-5269-00</u> REV <u>01₂</u> |
| | | SCALE <u>5:1</u> SHEET <u>1</u> OF <u>1</u> |