



| REVISIONS |   |          |             |
|-----------|---|----------|-------------|
| REV       | DESCRIPTION   | DATE     | APPROVED    |
| 01        | 1 REDRAWN IN CAD, UPDATED TO NEW STANDARD PER ECN 92-0010 | 11/20/92 | DC 11/30/92 |

| ELECTRICAL  | MECHANICAL                                     | ENVIRONMENTAL   |
|---|--|---|
| Nominal Impedance (Ohms) 50                                 | Interface Dimensions See OMN - SPECTRA CATALOG | Temperature Rating -65° to +125°C                               |
| Frequency Range (GHz) DC to 18                              | Mating Characteristics (OSP & OSM):            | Vibration MIL-STD-202, Method 204, Condition D                  |
| Volt Rating (VRMS MAX) @ Sea Level 500                      | Insertion (MAX Lbs) 3                          | Shock MIL-STD-202, Method 213, Condition I                      |
| VSWR 1.05 + .005 f(GHz)                                     | Withdrawal (MIN Oz) 1                          | Thermal Shock MIL-STD-202, Method 107, Condition B              |
| Insertion Loss (dB MAX) .04 V(fGHz)                         | Force to Engage:                               | Moisture Resistance MIL-STD-202, Method 106                     |
| RF Leakage (dB MIN) Interface Only, Fully Mated -90-f(GHz)  | OSP (Lbs MAX) 3                                | Corrosion - MIL-STD-202, Method 101, Condition B, 5% Salt Spray |
| Corona, 70,000 Fr (VRMS MIN) 375                            | OSM (In-Lbs MAX) 2                             |   |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1500 | Force to Disengage:                            |   |
| Contact Resistance (Milliohms MAX)                          | OSP (Lbs MAX) 15                               |   |
| Center Contact 2.0  | OSM (In-Lbs MAX) 2                             |   |
| Outer Contact 2.0   | Center Contact Captivation                     |   |
| Cable to Housing N/A  | Axial (Lbs) 6                                  |   |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000       | Cable Retention                                |   |
| IR (Megohms MIN) 5000                                       | Axial Force (Lbs MIN) N/A                      |   |
|   | Torque (In-Oz MIN) N/A                         |   |
|   | Weight (Grams) TBD                             |   |

| COMPONENT                     | MATERIAL   | FINISH   |
|-------------------------------|--|--|
| HOUSING BUSHING               | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | PASSIVATE PER ASTM-A380                                      |
| SPRING                        | STAINLESS STEEL  | PASSIVATED   |
| DIELECTRIC                    | TFE FLUOROCARBON PER ASTM-D-1457                           | N/A  |
| CENTER CONTACT CONTACT SLEEVE | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290    |
| CONTACT RING                  | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| RETAINING RING                | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-C-45204                                   |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES   |                      | DRAWN BY BHM DATE 9/14/90 |  | AMP Incorporated                            |       |
|---|----------------------|---------------------------|--|---|-------|
| FRAC.   | DEC.                 | CHECKED BY JAS            | DATE 9/26/90                                       | 140 Fourth Avenue<br>Waltham, MA 02451-7599 |       |
| TOLERANCE ON ± 1/64   | ± .005               | ANGLES ± °                |  | <b>AMP</b>                                  |       |
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| NO. AP. N/A   |                      |                           | OSP FLOATING FLANGE MOUNT JACK TO OSM JACK ADAPTER |   |       |
| SIZE B  | CODE IDENT NO. 26805 | 4584-4025-02              | REV 01   | SHEET 1 OF 1                                |       |
| SCALE 2:1   |                      |                           |  |   |       |

CUSTOMER DRAWING

AMP PART # 1059738-1  
SHEET 1 OF 1 REV A