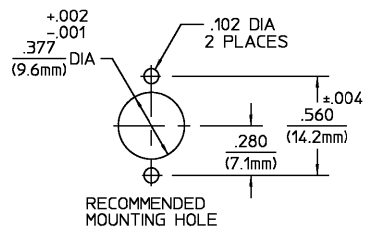


| REVISIONS       |             |         |                    |
|-----------------|-------------|---------|--------------------|
| REV             | DESCRIPTION | DATE    | APPROVED           |
| 01 <sub>1</sub> | RELEASED    | 9/12/94 | <i>(Signature)</i> |



| COMPONENT                     | MATERIAL   | FINISH                     |
|-------------------------------|--|----------------------------|
| HOUSING BUSHING               | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | PASSIVATE PER QQ-P-35      |
| SPRING DIELECTRIC             | STAINLESS STEEL<br>TFE FLUOROCARBON PER ASTM-D-1457        | PASSIVATED<br>N/A          |
| CENTER CONTACT CONTACT SLEEVE | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| CONTACT RING                  | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| RETAINING RING                | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | GOLD PLATE PER MIL-G-45204 |

| ELECTRICAL  | MECHANICAL  | ENVIRONMENTAL   |
|---|---|---|
| Nominal Impedance (Ohms) 50   | Interface Dimensions<br>OSM MIL-STD-348A, Fig 310.2                                   | Temperature Rating -65°C to +165°C                              |
| Frequency Range (GHz) DC to 18  | OSP SEE CATALOG   | Vibration MIL-STD-202, Method 204, Condition D.                 |
| Volt Rating (VRMS MAX) @ Sea Level 335  | Mating Characteristics (OSP & OSM):<br>Insertion (MAX Lbs) 3<br>Withdrawal (MIN Oz) 1 | Shock MIL-STD-202, Method 213, Condition I.                     |
| VSWR 1.05 + .005 F(GHz)   | Force to Engage:<br>OSM (In-Lbs MAX) 2.0<br>OSP (Lbs MAX) 3.0                         | Thermal Shock MIL-STD-202, Method 107, Condition C.             |
| Insertion Loss (dB MAX) .06 √F(GHz)   | Force to Disengage:<br>OSM (In-Lbs MAX) 2.0<br>OSP (Lbs MAX) 1.5                      | Moisture Resistance MIL-STD-202, Method 106                     |
| RF Leakage (dB MIN) -60 @ 2-3 GHz   | Contact Retention<br>Axial (Lbs) 6.0  | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) 250  | Weight (Grams) TBD  |   |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000                   |   |   |
| Contact Resistance (Milliohms MAX)<br>Center Contact 4.0<br>Outer Contact 2.0 |   |   |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670                          |   |   |
| IR (Megohms MIN) 5000   |   |   |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON   |        | DRAWN BY <i>PN</i> DATE 9/12/93 |  | AMP Incorporated  |                      |
|--|--------|---------------------------------|--|---|----------------------|
| FRAC.  | DEC.   | CHECKED BY                      |  | 140 Fourth Avenue<br>Waltham, MA 02451-7599                             |                      |
| ± 1/64   | ± .005 | APPROVED BY                     |  | <b>AMP</b>  |                      |
| ANGLES ± °   |        | USE ASSY PROCEDURE              |  | TITLE OSP JACK TO OSM JACK FLOAT PANEL FEEDTHROUGH FLANGE MOUNT ADAPTER |                      |
| These drawings and specifications are the property of Osm Spectra Incorporated and shall not be reproduced or copied or used in whole or in part on the basis for the manufacture or sale of items without written permission. |        | NO. AP. N/A                     |  | SIZE B  | CODE IDENT NO. 26805 |
|  |        |                                 |  | SCALE 2:1   | 4584-5015-02         |
|  |        |                                 |  |   | REV 01 <sub>1</sub>  |
|  |        |                                 |  |   | SHEET 1 OF 1         |

CUSTOMER DRAWING

AMP PART # 1059750-1  
SHEET 1 OF 1 REV A