



| CABLE ENTRY DIAMETER MINIMUM |      |
|------------------------------|------|
| SLEEVE                       | .145 |
|                              |      |
|                              |      |

| REVISIONS       |                           |         |             |
|-----------------|---------------------------|---------|-------------|
| REV             | DESCRIPTION               | DATE    | APPROVED    |
| 01 <sub>2</sub> | REVISED PER ECN 95-0127-4 | 3/29/95 | <i>M.M.</i> |

- NOTES:
- DESIGNED FOR USE WITH .141 DIA SEMI-RIGID CABLE.
  - CAPTURED CENTER CONTACT

|  |   |   |
|--|---|---|
| HOUSING<br>MOUNTING NUT<br>CLAMP NUT<br>LOCKWASHER | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                  | GOLD PLATE PER<br>MIL-G-45204 OVER<br>NICKEL PLATE PER<br>QQ-N-290    |
| SLEEVE   | BRASS PER QQ-B-626<br>COMP. 360   | GOLD PLATE PER<br>MIL-G-45204 OVER<br>COPPER PLATE PER<br>MIL-C-14550 |
| DIELECTRIC   | TFE FLUOROCARBON<br>PER ASTM-D-1457,<br>MIL-P-19468, AND<br>FED. SPEC L-P-403 | N/A   |
| CENTER CONTACT                                     | BERYLLIUM COPPER PER<br>ASTM-B196, ALLOY 173                                  | GOLD PLATE PER<br>MIL-G-45204 OVER<br>COPPER PLATE PER<br>MIL-C-14550 |
| GASKET   | SILICONE RUBBER PER<br>ZZ-R-765   | N/A   |
| COMPONENT  | MATERIAL  | FINISH  |

| ELECTRICAL   | MECHANICAL  | ENVIRONMENTAL  |
|--|---|--|
| Nominal Impedance (Ohms) <u>50</u>                         | Interface Dimensions MIL-STD-348<br><u>FIG 402.2</u>              | Temperature Rating <u>-65°C TO +105°C</u>                        |
| Frequency Range (GHz) <u>0 - 18</u>                        | Recommended Mating  | Vibration - MIL-STD-1344, Method 2005,<br>Condition IV, 30g Peak |
| Volt Rating (VRMS MAX) <u>600</u>                          | Torque <u>12 - 15 In Lbs</u>                                      | Shock - MIL-STD-1344, Method 2004,<br>Condition G                |
| VSWR <u>1.15 + .012 (f)GHz</u>                             | Mating Characteristics:   | Thermal shock MIL-STD-1344,<br>Method 1003 Test Condition A      |
| Insertion Loss <u>.10 V(f) GHz</u>                         | Insertion (MAX Lbs) <u>2.0</u>                                    | Except High Temp 115°C   |
| RF Leakage <u>-90 db Min</u>                               | Withdrawal (MIN Oz) <u>2.0</u>                                    | Corrosion - MIL-STD-1344, Method<br>1001, Condition B            |
| Between 2 TO 3 GHz   | Connector Engagement and<br>Disengagement (In/Lbs MAX) <u>6.0</u> |  |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u>                    | Center Contact Captivation  |  |
| Dielectric Withstanding Voltage<br>(VRMS MIN) <u>1,500</u> | Axial <u>6.0</u>  |  |
| Contact Resistance (Milliohms MAX)                         | Radial <u>N/A</u>   |  |
| Center Contact <u>1.5</u>                                  | Cable Retention   |  |
| Outer Contact <u>2.0</u>                                   | Axial Force <u>60 Lbs Min</u>                                     |  |
| RF High Potential  | Torque <u>55 In Oz Min</u>  |  |
| (VRMS MIN @ 5 MHz) <u>1,000</u>                            | Weight (Grams) <u>TBD</u>   |  |
| LR.(Megohms) <u>5,000</u>                                  |   |  |

|   |  |   |   |                                |
|---|--|---|---|--------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCE ON<br>FRAC. DEC. ANGLES<br>± 1/64 ± .005 ± °  | DRAWN BY<br><u>M.CATIZONE</u> DATE<br><u>2-23-90</u> | AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599 |   |                                |
|   | CHECKED BY<br><u>K.C.MAHER</u> 5/22/90               |   |   |                                |
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|   | USE ASS'Y PROCEDURE                                  |   | TITLE<br>OSN HIGH FREQ. BULKHEAD<br>FEEDTHROUGH CABLE JACK<br>SOLDER CLAMP ATTACHMENT |                                |
|   | NO. AP. <u>408-08245</u><br><u>(36-012)</u>          |   | SIZE<br><u>B</u>  | CODE IDENT NO.<br><u>26805</u> |
|   | SCALE<br><u>2:1</u>                                  |   |   | SHEET 1 OF 1                   |