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| DESIGNED FOR USE WITH<br>.141 SEMI-RIGID CABLE |      |
| CABLE ENTRY DIAMETER<br>MINIMUM                |      |
| HOUSING  | .144 |
| CONTACT  | .037 |

| REVISIONS |                   |        |                |
|-----------|-------------------|--------|----------------|
| REV       | DESCRIPTION       | DATE   | APPROVED       |
| 040       | SEE ECN 93-0041-1 | 4/1/93 | PCW<br>3/25/93 |

| ELECTRICAL  | MECHANICAL  | ENVIRONMENTAL   |
|---|---|---|
| Nominal Impedance (Ohms) <u>50</u>  | Interface Dimensions<br><u>DESC SPEC 85071</u>                              | Temperature Rating <u>-65° to +125°C</u>              |
| Frequency Range (GHz) DC to <u>22</u>   | Mating Characteristics:   | Vibration MIL-STD-202, Method<br>204, Condition D     |
| Volt Rating (VRMS MAX)<br>@ Sea Level <u>500</u>                                  | Insertion (MAX Lbs) <u>3</u>  | Shock MIL-STD-202, Method 213,<br>Condition I         |
| VSWR <u>1.02+0.005f(GHz)</u> DC to 18 GHz<br><u>1.02+0.008f(GHz)</u> 18 to 22 GHz | Withdrawal (MIN Oz) <u>1</u>  | Thermal Shock MIL-STD-202,<br>Method 107, Condition B |
| Insertion Loss (dB MAX) <u>.03x√f(GHz)</u>  | Force to Engage (In-Lbs MAX) <u>3</u><br>& Disengage (In-Lbs MAX) <u>15</u> | Moisture Resistance MIL-STD-202,<br>Method 106        |
| RF Leakage (dB MIN) (Interface Only,<br>Fully Mated) <u>-(90-f(GHz))</u>          | Center Contact Captivation<br>Axial (Lbs) <u>6</u>                          | Corrosion - MIL-STD-202, Method<br>101, Condition B   |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u>   | Cable Retention<br>Axial Force (Lbs MIN) <u>60</u>                          |   |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level <u>1500</u>             | Torque (In-Oz MIN) <u>55</u>  |   |
| Contact Resistance (Milliohms MAX)  | Weight (Grams)  |   |
| Center Contact <u>2.0</u>   |   |   |
| Outer Contact <u>2.0</u>  |   |   |
| Cable to Housing <u>0.5</u>   |   |   |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) <u>1000</u>                   |   |   |
| IR.(Megohms MIN) <u>5000</u>  |   |   |

| COMPONENT                        | MATERIAL   | FINISH   |
|----------------------------------|--|--|
| HOUSING BUSHING                  | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290    |
| DIELECTRIC                       | TFE FLUOROCARBON PER ASTM-D-1457                           | N/A  |
| CENTER CONTACT                   | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| 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    |
| RETAINING CLIP CONTACT RING SHIM | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| SPRING                           | STAINLESS STEEL  | PASSIVATE PER QQ-P-35  |
| RETAINING RING                   | BERYLLIUM COPPER PER QQ-C-533                              | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290    |
| BUSHING                          | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | PASSIVATE PER QQ-P-35  |

|   |   |   |   |                                |
|---|---|---|---|--------------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON<br>FRAC. DEC. ANGLES<br>± 1/64 ±.005 ± °   | DRAWN BY<br><u>D.CAM</u> DATE<br><u>5/29/85</u> |   | AMP Incorporated                            |                                |
|   | CHECKED BY<br><u>L.B.</u> <u>6/6/85</u>         |   | 140 Fourth Avenue<br>Waltham, MA 02451-7599 |                                |
| 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. | APPD BY<br><u>R.R.</u> <u>6/7/85</u>            | TITLE <u>OSP FLOATING PANEL FEED-THRU REAR MOUNT CABLE JACK SOLDER ATTACHMENT</u> |   | REV<br><u>040</u>              |
|   | USE ASS'Y PROCEDURE                             | NO. AP. <u>408-08279 (45-035)</u>   | SIZE<br><u>B</u>                            | CODE IDENT NO.<br><u>26805</u> |
|   |   |   | SCALE<br><u>3:1</u>                         | <u>4510-7941-00</u>            |