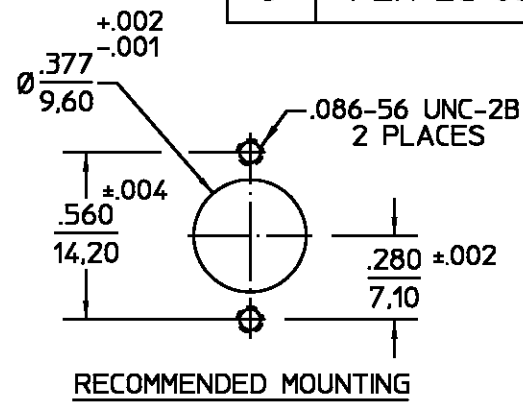


NOTES:
 1. DESIGNED FOR USE WITH Ø.085 (RG 405/U) SEMI-RIGID CABLE.
 2. CAPTURED CENTER CONTACT.

| REVISIONS | | | |
|-----------|---------------------|---------|---------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 0 | PER EC 0S14-0067-01 | 08NOV01 | C. Hoang 08NOV01 |

| | |
|---|------|
| DESIGNED FOR USE WITH Ø.085 DIA SEMI-RIGID CABLE | |
| CABLE ENTRY DIAMETER MINIMUM | |
| HOUSING | .089 |
| CONTACT | .021 |



| COMPONENT | MATERIAL | FINISH |
|-----------------------------|--|--|
| INNER 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 |
| OUTER HOUSING SPRING WASHER | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A380 |
| 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 |
| 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 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | NICKEL PLATE PER QQ-N-290 OVER COPPER PLATE PER MIL-C-14550 |
| SPRING WASHER | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | NICKEL PLATE PER QQ-N-290 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|---|
| Nominal Impedance (Ohms) 50 | Interface Dimensions DESC SPEC 85071 | Temperature Rating -65° to +125°C |
| Frequency Range (GHz) DC to 22 | Mating Characteristics: | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) @ Sea Level 450 | Insertion (MAX Lbs) 3 | Shock MIL-STD-202, Method 213, Condition I |
| VSWR 1.05+.005f(GHz) DC to 18 GHz 1.05+.009f(GHz) 18 to 22 GHz | Withdrawal (MIN Oz) 1 | Thermal Shock MIL-STD-202, Method 107, Condition B |
| Insertion Loss (dB MAX) .03x√f(GHz) | Force to Engage (In-Lbs MAX) 3 & Disengage (In-Lbs MAX) 1.5 | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) (Interface Only, Fully Mated) -(90-f(GHz)) | Center Contact Captivation Axial (Lbs) 6 | Corrosion - MIL-STD-202, Method 101, Condition B, 5% Salt Spray |
| Corona, 70,000 Ft (VRMS MIN) 335 | Cable Retention Axial Force (Lbs MIN) 30 | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000 | Torque (In-Oz MIN) 16 | |
| Contact Resistance (Milliohms MAX) Center Contact 2.0 Outer Contact 2.0 Cable to Housing 0.5 | Weight (Grams) 5.4 | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670 | | |
| I.R.(Megohms MIN) 5000 | | |

| | | | | |
|---|-------------------------------------|-----------|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | DRAWN BY BDW DATE 6-9-88 | | AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 | |
| | CHECKED BY MY DATE 6-14-88 | | TITLE OSP FLOATING FLANGE MOUNT CABLE JACK - DIRECT SOLDER ATTACHMENT | |
| | APPD BY DCAM DATE 6-14-88 | | NO. AP. 45-008 | SIZE B CODE IDENT NO. 26805 4506-5041-02 REV 01 |
| 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 | SCALE 3:1 | SHEET 1 OF 1 | |

.XXX = in
 XX.X = mm (REF)