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| DESIGNED FOR USE WITH | RG-316/U, 179, 187, 188 CABLES |
| CABLE ENTRY DIAMETER | MINIMUM |
| HOUSING | .067 |
| FERRULE | .125 |
| CONTACT | .023 |

| REVISIONS | | | |
|-----------|-------------|----------|---------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 | REVISED | 10/31/95 | [Signature] 11/9/95 |

DESIGN CONTROL REQUIRED

| COMPONENT | MATERIAL | FINISH |
|------------------------|--|----------------------------|
| HOUSING BUSHING SPRING | 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 |
| CONTACT SLEEVE | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| CONTACT RING SHIM | 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 | NICKEL PLATE PER QQ-N-290 |
| RETAINING CLIP | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| SHRINK TUBING | HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4 | N/A |
| FERRULE | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM | GOLD PLATE PER MIL-G-45204 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|---|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions Per MIL-STD-348A Fig. 321.2 | Temperature Rating -65° to +125°C |
| Frequency Range (GHz) DC to 18 | Mating Characteristics: | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) @ Sea Level 250 | Insertion (MAX Lbs) 3 | Shock MIL-STD-202, Method 213, Condition I |
| VSWR 1.15+.01f(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 |
| Corona, 70,000 Ft (VRMS MIN) 190 | Cable Retention Axial Force (Lbs MIN) 20 | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750 | Weight (Grams) TBD | |
| Contact Resistance (Milliohms MAX) Center Contact 2.0 Outer Contact 2.0 Cable to Housing 0.5 | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500 | | |
| LR.(Megohms MIN) 5000 | | |

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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | DRAWN BY RMF DATE 2/13/95 | | AMP Incorporated | |
| FRAC. DEC. ANGLES ± 1/64 ±.005 ± ° | CHECKED BY | | 140 Fourth Avenue Waltham, MA 02451-7599 | |
| These drawings and specifications are the property of M/A-COM 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 RMF DATE 2/13/95 | TITLE OSP FLOATING PANEL FEEDTHRU REAR MOUNT CABLE JACK - CRIMP ATTACHMENT | | |
| | USE ASS'Y PROCEDURE | NO. AP. 408-08273 (45-020) | SIZE B | CODE IDENT NO. 26805 |
| | | | SCALE 2:1 | 1250-2262-02 |
| | | | REV 01 | SHEET 1 OF 1 |