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| DESIGNED FOR USE WITH | RG-58/U |
| CABLE ENTRY DIAMETER | MINIMUM |
| FERRULE | Ø.219 |
| CAP | Ø.188 |

| REVISIONS | | | |
|-----------------|-------------|------|-------------------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₀ | RELEASED | | <i>[Signature]</i> 6/17/99 |

NOTES:
1. CAPTURED CENTER CONTACT

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|--|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions <u>MIL-STD-348A Fig.310.1</u> | Temperature Rating <u>-65°C - +165°C</u> |
| Frequency Range (GHz) <u>DC to 12.4</u> | Recommended Mating <u>Torque 7-10 IN-Lbs</u> | Vibration <u>MIL-STD-202, Method 204, Condition D</u> |
| Volt Rating (VRMS MAX) <u>335</u> | Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u> | Shock <u>MIL-STD-202, Method 213, Condition I</u> |
| VSWR <u>1.15 +.02(f GHz)</u> | Withdrawal (MIN Oz) <u>N/A</u> | Thermal Cycling <u>MIL-STD-202, Method 107, Condition B Except High Temp Shall Be 85°C (High Temp Shall Be 200°C When Used With 200°C Cables Per MIL-C-17)</u> |
| Insertion Loss (dB MAX) <u>.15 √ GHz</u> | Connector Engagement and Disengagement (In-Lbs MAX) <u>2.0</u> | Moisture Resistance <u>MIL-STD-202, Method 106</u> |
| RF Leakage (dB) <u>-60</u> | Center Contact Captivation: Axial <u>6.0</u> | Corrosion <u>MIL-STD-202, Method 101, Condition B</u> |
| Corona, 70 Ft (VRMS MIN) <u>250</u> | Radial <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) <u>1,000</u> | Cable Retention Axial Lbs <u>40 Min</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u> | Torque <u>N/A</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>5.0</u> | |
| Cable To Housing <u>0.5</u> | | |
| RF High Potential (VRMS MIN @ 5 MHz) <u>670</u> | | |
| I.R. (Megohms) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|----------------------|--|----------------------------|
| COUPLING NUT HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER QQ-P-35 |
| DIELECTRIC | PTFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICONE RUBBER PER ZZ-R-765 | N/A |
| FERRULE | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM | GOLD PLATE PER MIL-G-45204 |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

| | | |
|--------------|------------|-------------|
| FRAC. ± 1/64 | DEC. ±.005 | ANGLES ± 1° |
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| DRAWN BY <i>DM</i> | DATE 4-30-99 | AMP | AMP Incorporated | | |
| CHECKED BY <i>[Signature]</i> | | | 140 Fourth Avenue Waltham, MA 02451-7599 | | |
| APPD BY <i>[Signature]</i> | 6/17/99 | | TITLE OSM RIGHT ANGLE CABLE PLUG CRIMP ATTACHMENT M39012/56B-3016 CAT. B | | |
| USE ASSY PROCEDURE | 408-04967 NO. A.P. (20-520) | SIZE B | CODE IDENT NO. 26805 | 2037-8016-92 | REV 01 ₀ |
| | | SCALE 5:1 | SHEET 1 OF 1 | | |