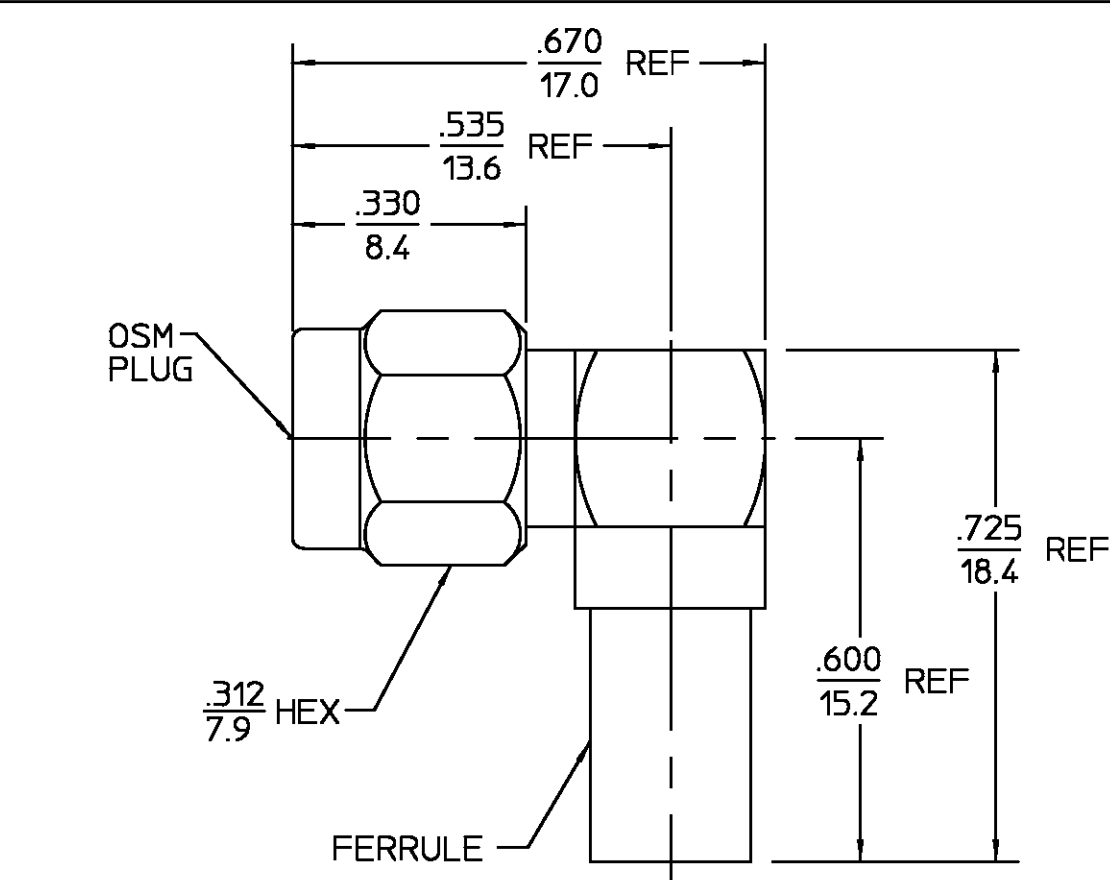




|                       |           |
|-----------------------|-----------|
| DESIGNED FOR USE WITH |           |
| RG-174, 316/U         |           |
| CABLE ENTRY DIAMETER  |           |
| MINIMUM               |           |
| SLEEVE                | .125      |
| HOUSING               | .066      |
| CONTACT               | .041 SLOT |

| REVISIONS       |             |         |          |
|-----------------|-------------|---------|----------|
| REV             | DESCRIPTION | DATE    | APPROVED |
| 01 <sub>0</sub> | RELEASED    | 3/31/99 |          |

| ELECTRICAL                                               | MECHANICAL                                     | ENVIRONMENTAL                                                              |
|----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                              | Interface Dimensions MIL-STD-348A, Fig. 310.1  | Temperature Rating -65°C to +125°C                                         |
| Frequency Range (GHz) DC to MAX                          | Recommended Mating                             | Vibration MIL-STD-202, Method 204, Condition D                             |
| Operating Frequency of Cable per MIL-C-17                | Torque 7-10 In-Lbs                             | Shock MIL-STD-202, Method 213, Condition I                                 |
| Volt Rating (VRMS MAX)                                   | Mating Characteristics:                        | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C |
| Sea Level 250                                            | Insertion (MAX Lbs) N/A                        | Moisture Resistance MIL-STD-202, Method 106                                |
| VSWR 1.18+.02f(GHz)                                      | Withdrawal (MIN Oz) N/A                        | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray            |
| Insertion Loss (dB MAX) .07√f(GHz)                       | Force to Engage and Disengage (In-Lbs MAX) 2.0 |                                                                            |
| RF Leakage (dB MIN) -[60-f(GHz)]                         | Center Contact Captivation                     |                                                                            |
| Corona, 70,000 Ft (VRMS MIN) 190                         | Axial (Lbs) 6.0                                |                                                                            |
| Dielectric Withstanding Voltage (VRMS MIN) Sea Level 750 | Radial (In-Oz) 4.0                             |                                                                            |
| Contact Resistance (Milliohms MAX)                       | Cable Retention                                |                                                                            |
| Center Contact 3.0                                       | Axial Force (Lbs) 20 Min                       |                                                                            |
| Outer Contact 2.0                                        | Torque (In-Oz) N/A                             |                                                                            |
| Cable to Housing 0.5                                     | Weight (Grams) 4.2                             |                                                                            |
| RF High Potential Sea Level (VRMS MIN 5 MHz) 500         |                                                |                                                                            |
| I.R.(Megohms MIN) 10,000                                 |                                                |                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                |                                                                                |                                                                              |              |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------|------------|
| HOUSING<br>CAP<br>COUPLING NUT                                                                                                                                                                                                                                                                                                                                                 | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                   | PASSIVATE PER<br>QQ-P-35                                                     |              |            |
| DIELECTRIC                                                                                                                                                                                                                                                                                                                                                                     | PTFE FLUOROCARBON<br>PER ASTM-D-1457                                           | N/A                                                                          |              |            |
| CENTER CONTACT                                                                                                                                                                                                                                                                                                                                                                 | BERYLLIUM COPPER PER<br>ASTM-B-196 OR ASTM-B-197,<br>ALLOY C17300, CONDITION H | GOLD PLATE PER<br>MIL-G-45204                                                |              |            |
| RETAINING RING                                                                                                                                                                                                                                                                                                                                                                 | BERYLLIUM COPPER PER<br>ASTM-B-194, ALLOY<br>C17200, CONDITION H               | N/A                                                                          |              |            |
| GASKET                                                                                                                                                                                                                                                                                                                                                                         | SILICONE RUBBER PER<br>ZZ-R-765                                                | N/A                                                                          |              |            |
| FERRULE                                                                                                                                                                                                                                                                                                                                                                        | COPPER OR BRASS ALLOY<br>ROCKWELL F65 MAXIMUM                                  | GOLD PLATE PER<br>MIL-G-45204                                                |              |            |
| COMPONENT                                                                                                                                                                                                                                                                                                                                                                      | MATERIAL                                                                       | FINISH                                                                       |              |            |
| <div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES<br/>TOLERANCE ON<br/>FRAC. DEC. ANGLES<br/>± 1/64 ±.005 ± 1°</div> <div>DRAWN BY PATLAN DATE 10-08-98<br/>CHECKED BY<br/>APPD BY  3/31/99</div> <div>AMP Incorporated<br/>140 Fourth Avenue<br/>Waltham, MA 02451-7599</div> |                                                                                |                                                                              |              |            |
| These drawings and specifications are the property of AMP Interconnect Division 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<br><br>408-04967<br>(20-520)<br>NO. AP. _____              | TITLE OSM RIGHT ANGLE CABLE PLUG<br>CRIMP ATTACHMENT<br>M39012/56-3112 CAT B |              |            |
|                                                                                                                                                                                                                                                                                                                                                                                | SIZE<br>B                                                                      | CODE IDENT NO.<br>26805                                                      | 2037-8112-92 | REV<br>010 |
|                                                                                                                                                                                                                                                                                                                                                                                | SCALE<br>4:1                                                                   | SHEET 1 OF 1                                                                 |              |            |

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