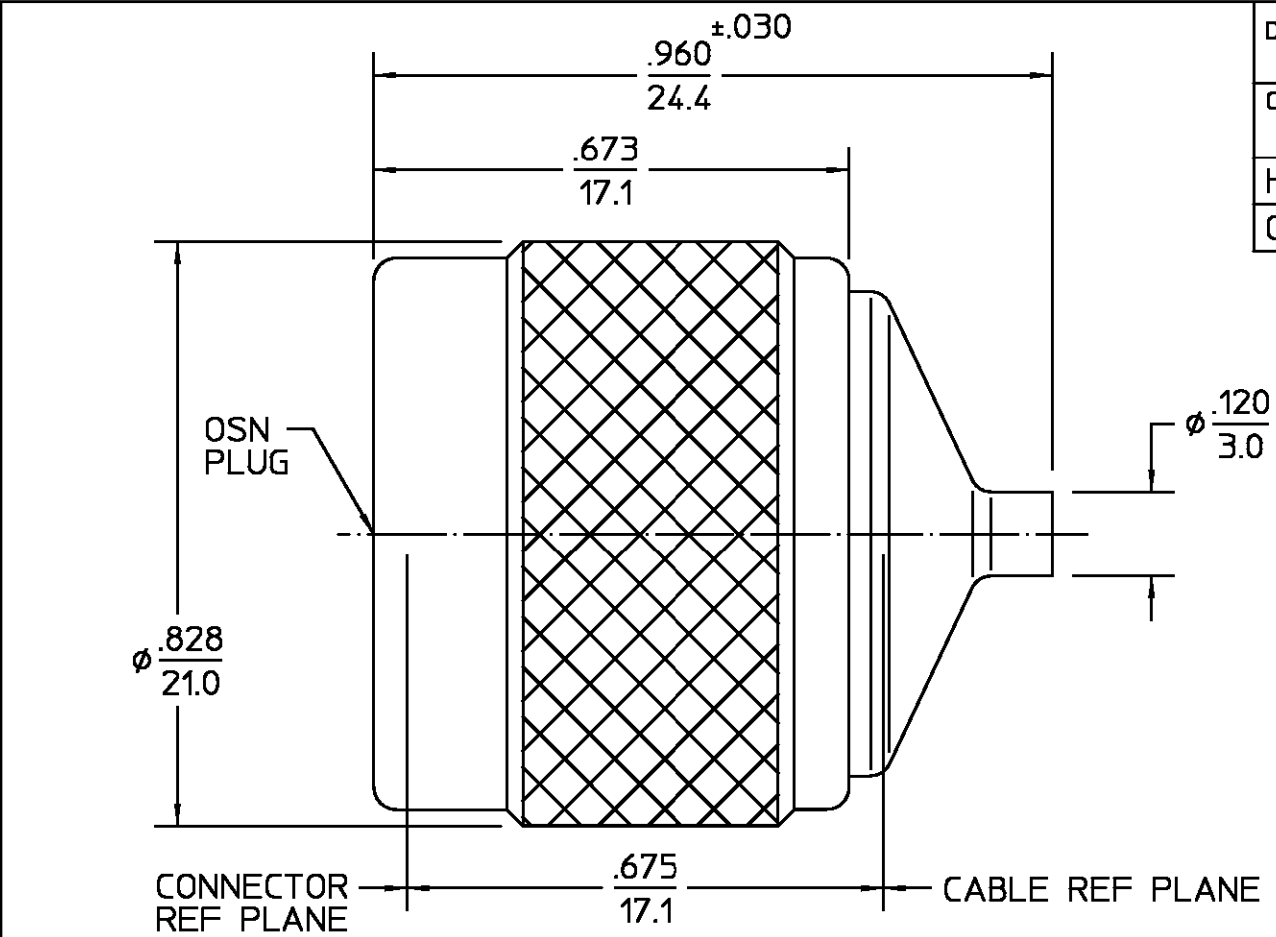




|                                        |      |
|----------------------------------------|------|
| DESIGNED FOR USE WITH<br>.085 SR CABLE |      |
| CABLE ENTRY DIAMETER<br>MINIMUM        |      |
| HOUSING                                | .089 |
| CONTACT                                | .024 |

| REVISIONS       |                     |         |          |
|-----------------|---------------------|---------|----------|
| REV             | DESCRIPTION         | DATE    | APPROVED |
| 02 <sub>4</sub> | REVISED             | 1/24/97 | AP       |
| B               | PER EC 0U20-0692-00 | 9/24/01 | C. Hoang |

| ELECTRICAL                                                  | MECHANICAL                                     | ENVIRONMENTAL                                                                              |
|-------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                 | Interface Dimensions MIL-STD-348A, Fig. 304.1  | Temperature Rating $-65^{\circ}\text{C}$ TO $+125^{\circ}\text{C}$                         |
| Frequency Range (GHz) DC to 18                              | Recommended Mating                             | Vibration MIL-STD-202, Method 204, Condition D                                             |
| Volt Rating (VRMS MAX) @ Sea Level 599                      | Torque 12 - 15 LBS                             | Shock MIL-STD-202, Method 213, Condition I                                                 |
| VSWR $1.06 \pm .007$ fGHz                                   | Force to Engage and Disengage (In/Lbs MAX) 6.0 | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp $200^{\circ}\text{C}$ |
| Insertion Loss (dB MAX) $.05 \sqrt{f(\text{GHz})}$          | Cable Retention                                | Moisture Resistance MIL-STD-202, Method 106, Except Step 7b (Vibration) Shall Be Omitted   |
| RF Leakage (dB MIN) $-(90 - f(\text{GHz}))$                 | Axial Force (Lbs) 60                           | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray                            |
| Corona, 70,000 Ft (VRMS MIN) 500                            | Torque (In/Oz) 55                              |                                                                                            |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 2500 | Weight (Grams)                                 |                                                                                            |
| Contact Resistance (Milliohms MAX)                          |                                                |                                                                                            |
| Center Contact 1.5                                          |                                                |                                                                                            |
| Outer Contact 2.0                                           |                                                |                                                                                            |
| Cable to Housing 2.0                                        |                                                |                                                                                            |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1500       |                                                |                                                                                            |
| IR.(Megohms MIN) 10,000                                     |                                                |                                                                                            |

| HOUSING                                                                                                                                                                                                                      | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | GOLD PLATE PER MIL-G-45204 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------|
| COUPLING NUT                                                                                                                                                                                                                 | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | PASSIVATE PER QQ-P-35      |
| DIELECTRIC                                                                                                                                                                                                                   | TFE FLUOROCARBON PER ASTM-D-1457                           | N/A                        |
| CENTER CONTACT                                                                                                                                                                                                               | BRASS PER ASTM-B-16, HALF HARD                             | 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                        |
| COMPONENT                                                                                                                                                                                                                    | MATERIAL                                                   | FINISH                     |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCE ON<br>FRAC. DEC. ANGLES<br>$\pm 1/64$ $\pm .005$ $\pm 1^{\circ}$                                                                                         |                                                            |                            |
| DRAWN BY PRB DATE 6/15/67<br>CHECKED BY BWC 7/3/67<br>APPD BY GH 7/3/67                                                                                                                                                      |                                                            |                            |
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| USE ASS'Y PROCEDURE<br>408-04914 (30-002)<br>NO. AP.                                                                                                                                                                         |                                                            |                            |
| AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599                                                                                                                                                              |                                                            |                            |
| TITLE OSN STRAIGHT PLUG<br>DIRECT SOLDER ATTACHMENT                                                                                                                                                                          |                                                            |                            |
| SIZE B                                                                                                                                                                                                                       | CODE IDENT NO. 26805                                       | 3001-7985-00               |
| SCALE 4:1                                                                                                                                                                                                                    |                                                            | REV 02 <sub>4</sub>        |
|                                                                                                                                                                                                                              |                                                            | SHEET 1 OF 1               |