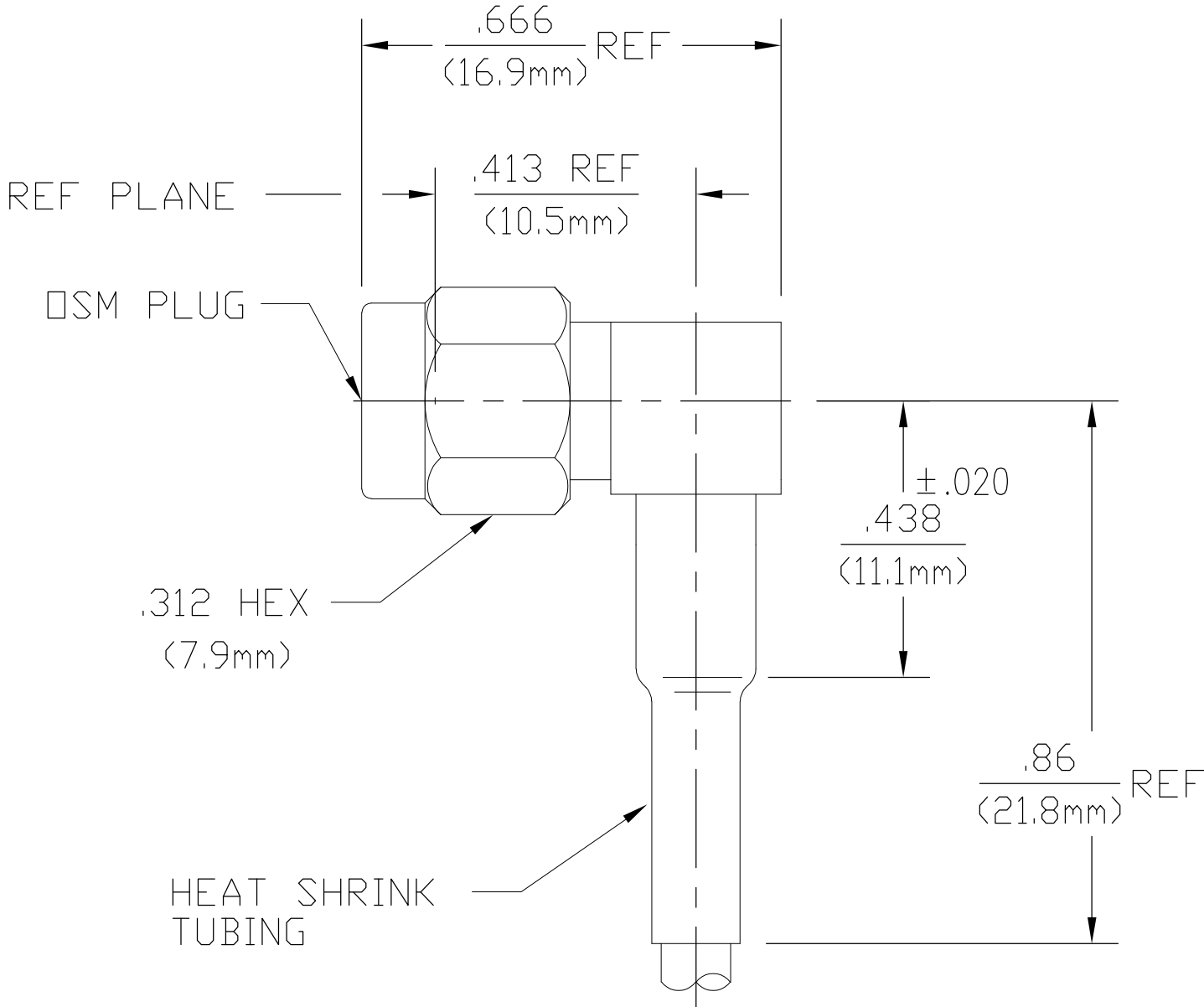


|                                              |      |
|----------------------------------------------|------|
| DESIGNED FOR USE WITH<br>RG-188/U FLEX CABLE |      |
| CABLE ENTRY DIAMETER<br>MINIMUM              |      |
| FERRULE                                      | .125 |
| CONTACT                                      | .025 |
| HOUSING                                      | .066 |

| LOC | DIST | REVISIONS |     |                       |          |     |      |
|-----|------|-----------|-----|-----------------------|----------|-----|------|
| AJ  | 00   | P         | LTR | DESCRIPTION           | DATE     | DWN | APVD |
|     |      |           | B   | REV PER ECO 07-004710 | 3/9/2007 | DW  | KW   |



1052067-1

PART  
NUMBER

|                |                                                                                            |                                                                       |
|----------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| HOUSING<br>CAP | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                               | GOLD PLATE PER<br>MIL-G-45204 OVER<br>NICKEL PLATE PER<br>QQ-N-290    |
| COUPLING NUT   | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                               | PASSIVATE PER<br>ASTM-A380                                            |
| DIELECTRIC     | TFE FLUOROCARBON<br>PER ASTM-D-1457                                                        | N/A                                                                   |
| CENTER CONTACT | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H<br>OR BRASS PER ASTM-B-16 | GOLD PLATE PER<br>MIL-G-45204 OVER<br>COPPER PLATE PER<br>MIL-C-14550 |
| 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                                                                   |
| SHRINK TUBING  | HEAT SHRINKABLE<br>POLYOLEFIN COMPOUND<br>MIL-I-23053/4                                    | N/A                                                                   |
| FERRULE        | COPPER OR BRASS ALLOY<br>ROCKWELL F65 MAXIMUM                                              | GOLD PLATE PER<br>MIL-G-45204 OVER<br>COPPER PLATE PER<br>MIL-C-14550 |
| COMPONENT      |                                                                                            | MATERIAL                                                              |
|                |                                                                                            | FINISH                                                                |

| ELECTRICAL                                                    | MECHANICAL                                       | ENVIRONMENTAL                                                      |
|---------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                   | Interface Dimensions MIL-STD-348A,<br>Fig. 310.1 | TEMPERATURE RATING -65°C TO +125°C                                 |
| Frequency Range (GHz) DC 12.4                                 | Recommended Mating                               | Vibration MIL-STD-202, Method                                      |
| Volt Rating (VRMS MAX)<br>@ Sea Level 250                     | Torque 7-10 In-Lbs                               | 204, Condition D                                                   |
| VSWR 1.15+.02f(GHz)                                           | Mating Characteristics:                          | Shock MIL-STD-202, Method 213,<br>Condition I                      |
| Insertion Loss (dB MAX) .07√f(GHz)                            | Insertion (MAX Lbs) N/A                          | Thermal Shock MIL-STD-202,<br>Method 107, Condition B,             |
| RF Leakage (dB MIN) -(60-fGHz)                                | Withdrawal (MIN Oz) N/A                          | EXCEPT HIGH TEMP +85°C                                             |
| Corona, 70,000 Ft (VRMS MIN) 190                              | Force to Engage and                              | Moisture Resistance MIL-STD-202,<br>Method 106, No Measurements at |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level 750 | Disengage (In-Lbs MAX) 2.0                       | High Humidity                                                      |
| Contact Resistance (Milliohms MAX)                            | Center Contact Captivation                       | Corrosion - MIL-STD-202, Method                                    |
| Center Contact 3.0                                            | Axial (Lbs) 6.0                                  | 101, Condition B, 5% salt spray                                    |
| Outer Contact 2.0                                             | Radial (In-Oz) 4.0                               |                                                                    |
| Cable to Housing 0.5                                          | Axial Force (Lbs) 20 Min                         |                                                                    |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) 500       | Torque (In-Oz) N/A                               |                                                                    |
| I.R.(Megohms MIN) 10000                                       | Weight (Grams) TBD                               |                                                                    |

|                                        |  |                                           |  |                     |  |                                                                     |                    |                         |                    |  |  |
|----------------------------------------|--|-------------------------------------------|--|---------------------|--|---------------------------------------------------------------------|--------------------|-------------------------|--------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>JOEL<br>7/28/77                    |  | tyco<br>Electronics |  | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608           |                    |                         |                    |  |  |
| DIMENSIONS:<br>INCHES                  |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | CHK<br>—            |  | NAME<br><br>OSM RIGHT ANGLE CABLE<br>PLUG-SOLDER ATTACMENT<br><br>— |                    |                         |                    |  |  |
|                                        |  | APVD<br>RME<br>7/28/77                    |  | —                   |  |                                                                     |                    |                         |                    |  |  |
|                                        |  | PRODUCT SPEC                              |  | —                   |  |                                                                     |                    |                         |                    |  |  |
|                                        |  | APPLICATION SPEC                          |  | —                   |  |                                                                     |                    |                         |                    |  |  |
| MATERIAL<br>—                          |  | FINISH<br>—                               |  | WEIGHT<br>—         |  | SIZE<br>A2                                                          | CAGE CODE<br>00779 | DRAWING NO<br>C=1052067 | RESTRICTED TO<br>— |  |  |
| CUSTOMER DRAWING                       |  |                                           |  | SCALE<br>3:1        |  | SHEET<br>1 of 1                                                     |                    | REV<br>B                |                    |  |  |