

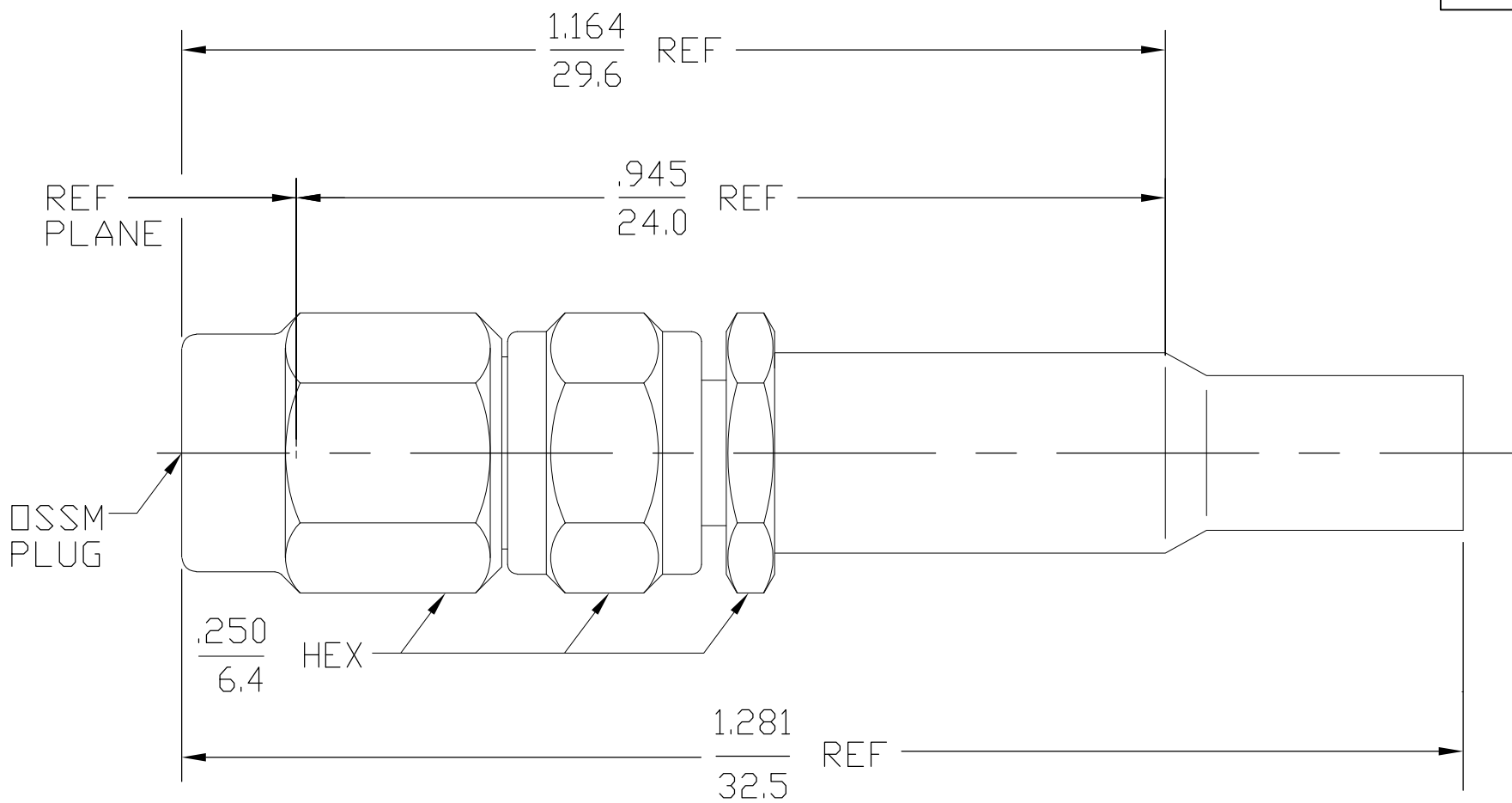
4

3

2

1

| LOC | DIST | REVISIONS |     |                       |         |     |      |
|-----|------|-----------|-----|-----------------------|---------|-----|------|
|     |      | P         | LTR | DESCRIPTION           | DATE    | DWN | APVD |
|     |      |           | B   | REV PER ECO 08-018955 | 19NOV08 | PK  | DW   |



|                                      |                                                                                |                               |
|--------------------------------------|--------------------------------------------------------------------------------|-------------------------------|
| HOUSING<br>COUPLING NUT<br>CLAMP NUT | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                   | GOLD PLATE PER<br>MIL-G-45204 |
| INNER SLEEVE                         | BRASS PER ASTM-B-16,<br>HALF HARD                                              | GOLD PLATE PER<br>MIL-G-45204 |
| DIELECTRIC                           | TFE 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               | 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                           |
| 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 |
| COMPONENT                            | MATERIAL                                                                       | FINISH                        |

| ELECTRICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MECHANICAL                                                                                                                                                                                                                                                                                                                                                                                                                                           | ENVIRONMENTAL                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Impedance (Ohms) <u>50</u><br>Frequency Range (GHz) DC to <u>12.4</u><br>Volt Rating (VRMS MAX)<br>@ Sea Level <u>250</u><br>VSWR <u>1.15 +.02</u><br>Insertion Loss (dB MAX) <u>.06 √f(GHz)</u><br>RF Leakage (dB MIN) <u>-60 @ 2-3 GHz</u><br>Corona, 70,000 Ft (VRMS MIN) <u>190</u><br>Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level <u>750</u><br>Contact Resistance (Milliohms MAX)<br>Center Contact <u>2.0</u><br>Outer Contact <u>2.0</u><br>Cable to Housing <u>0.5</u><br>RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) <u>500</u><br>I.R.(Megohms MIN) <u>5,000</u> | Interface Dimensions MIL-STD-348A,<br>Fig. 319.1<br>Recommended Mating<br>Torque <u>5 in-lbs</u><br>Mating Characteristics:<br>Insertion (MAX Lbs) N/A<br>Withdrawal (MIN Oz) N/A<br>Force to Engage and<br>Disengage (In-Lbs MAX) <u>2.0</u><br>Center Contact Captivation<br>Axial (Lbs) <u>6.0</u><br>Radial (In-Oz) <u>N/A</u><br>Cable Retention<br>Axial Force (Lbs MIN) <u>20.0</u><br>Torque (In-Oz) <u>N/A</u><br>Weight (Grams) <u>TBD</u> | TEMPERATURE RATING <u>-65°C TO +165°C</u><br>Vibration MIL-STD-202, Method<br>204, Condition I.<br>Shock MIL-STD-202, Method 213,<br>Condition I.<br>Thermal Shock MIL-STD-202,<br>Method 107, Condition B,<br>EXCEPT HIGH TEMP +85°C<br>Moisture Resistance MIL-STD-202,<br>Method 106<br>Corrosion - MIL-STD-202, Method<br>101, Condition B, 5% salt spray |

|                                                                                   |      |
|-----------------------------------------------------------------------------------|------|
| DESIGNED FOR USE WITH<br>RG-188 CABLE OR EQUIV<br>CABLE ENTRY DIAMETER<br>MINIMUM |      |
| CONTACT                                                                           | .023 |
| DIELECTRIC                                                                        | .066 |
| SLEEVE                                                                            | .063 |
| FERRULE                                                                           | .125 |

|                                        |                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                 |
| DIMENSIONS:<br>INCHES                  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                       |
|                                        | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± .005<br>4 PLC ± -<br>ANGLES ± 1° |
| MATERIAL<br>-                          | FINISH<br>-                                                                     |

|                       |          |                                                           |                    |
|-----------------------|----------|-----------------------------------------------------------|--------------------|
| DWN<br>B.W.           | 12-11-67 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |                    |
| CHK<br>-              | 12-11-67 |                                                           |                    |
| APVD<br>D.NANIA       | 12-12-67 | NAME<br>OSSM STRAIGHT<br>CABLE PLUG<br>CRIMP ATTACHMENT   |                    |
| PRODUCT SPEC<br>-     |          |                                                           |                    |
| APPLICATION SPEC<br>- |          | SIZE<br>A3                                                | CAGE CODE<br>00779 |
| WEIGHT<br>-           |          | DRAWING NO<br>C-1045488-1                                 | RESTRICTED TO<br>- |
| CUSTOMER DRAWING      |          | SCALE<br>6:1                                              | SHEET<br>1 OF 1    |
|                       |          | REV<br>B                                                  |                    |