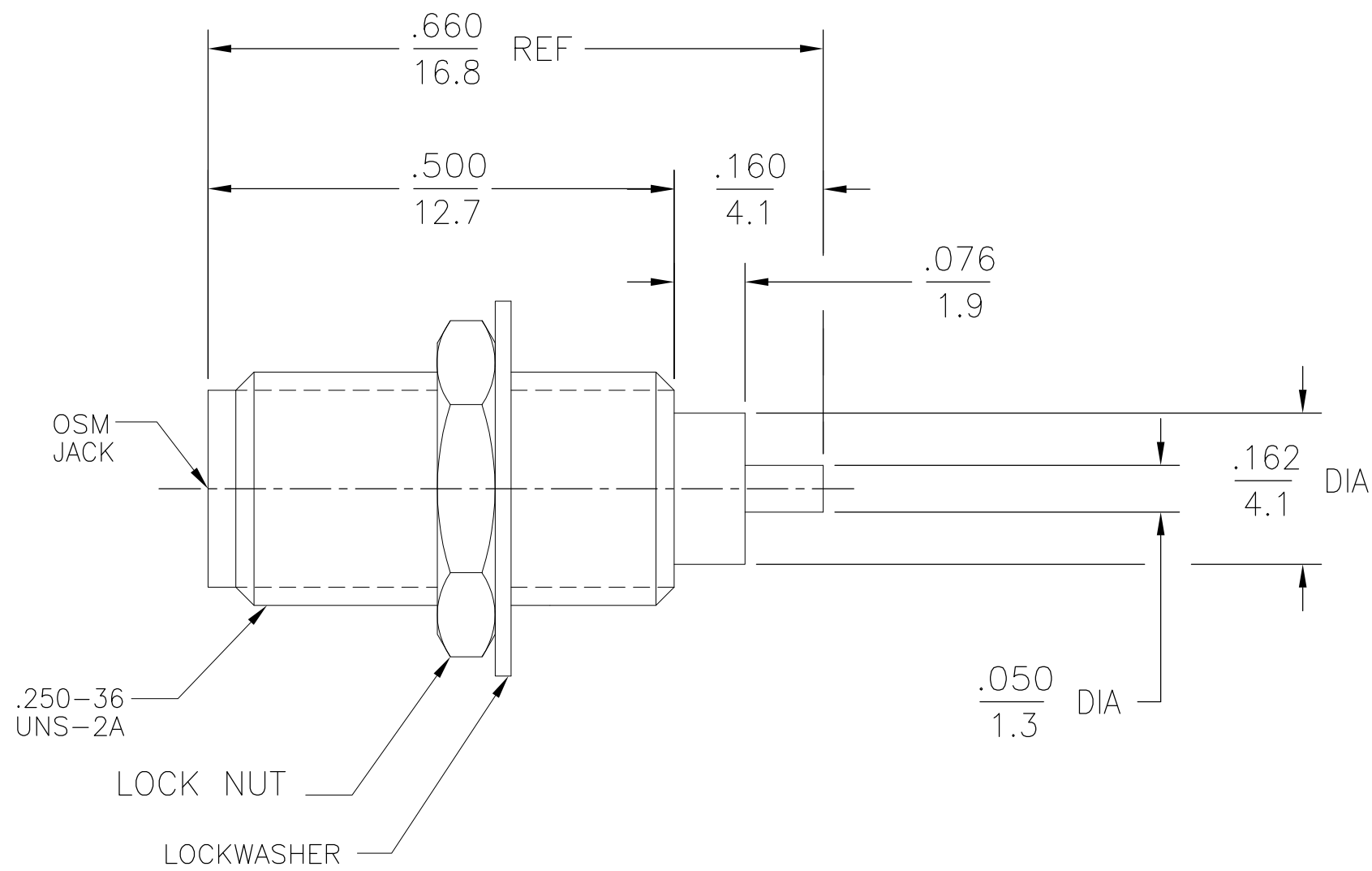


|                                                                                   |                          |         |
|-----------------------------------------------------------------------------------|--------------------------|---------|
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|     |      |           |     |                            |          |                    |                    |
|-----|------|-----------|-----|----------------------------|----------|--------------------|--------------------|
| LOC | DIST | REVISIONS |     |                            |          |                    |                    |
| HC  | 00   | P         | LTR | DESCRIPTION                | DATE     | DWN                | APVD               |
|     |      |           | A   | REDRAWN ON CAD ECN 92-0009 | 01-06-94 | <i>[Signature]</i> | <i>[Signature]</i> |
|     |      |           | B   | REVISED PER ECO-08-030676  | 27-02-09 | AEG                | JKO                |



- ① BRASS
- ② STAINLESS STEEL
- ③ BERYLLIUM COPPER
- ④ PTFE
- ⑤ GOLD PLATE
- ⑥ PASSIVATED
- ⑦ SILICONE RUBBER
- ⑧ NICKEL PLATE

| ELECTRICAL                                                            | MECHANICAL                                                | ENVIRONMENTAL                                                                        |
|-----------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| Nominal Impedance (Ohms) <u>50</u>                                    | Interface Dimensions MIL-STD-348A,<br>Fig. <u>310.2</u>   | TEMPERATURE <u>RATING</u> <u>-65°C TO 125°C</u>                                      |
| Frequency Range (GHz) <u>DC to 18.0</u>                               | Recommended Mating<br>Torque <u>7 to 10</u>               | Vibration MIL-STD-202, Method<br>204, Condition D                                    |
| Volt Rating (VRMS MAX)<br>@ Sea Level <u>335</u>                      | Mating Characteristics:<br>Insertion (MAX Lbs) <u>3.0</u> | Shock MIL-STD-202, Method 213,<br>Condition I                                        |
| VSWR <u>N/A</u>                                                       | Withdrawal (MIN Oz) <u>1.0</u>                            | Thermal Shock MIL-STD-202,<br>Method 107, Condition B,<br>EXCEPT HIGH TEMP +115°C    |
| Insertion Loss (dB MAX) <u>N/A</u>                                    | Force to Engage and<br>Disengage (In-Lbs MAX) <u>2.0</u>  | Moisture Resistance MIL-STD-202,<br>Method 106, Except Vibration<br>Shall Be Omitted |
| RF Leakage (dB MIN) <u>N/A</u>                                        | Center Contact Captivation<br>Axial (Lbs) <u>6.0</u>      | Corrosion – MIL-STD-202, Method<br>101, Condition B, 5% salt spray                   |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level <u>1000</u> | Radial (In-Oz) <u>4.0</u>                                 |                                                                                      |
| Contact Resistance (Milliohms MAX)<br>Center Contact <u>2.0</u>       | Cable Retention<br>Axial Force (Lbs) <u>N/A</u>           |                                                                                      |
| Outer Contact <u>2.0</u>                                              | Torque (In-Oz) <u>N/A</u>                                 |                                                                                      |
| Cable to Housing <u>N/A</u>                                           | Weight (Grams) <u>TBD</u>                                 |                                                                                      |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) <u>670</u>        |                                                           |                                                                                      |
| I.R.(Megohms MIN) <u>10,000</u>                                       |                                                           |                                                                                      |

.XXX=INCHES  
X.X=MILLIMETERS

|            |              |            |         |         |           |
|------------|--------------|------------|---------|---------|-----------|
|            |              |            |         |         | 1053221-3 |
|            |              |            |         |         | 1053221-1 |
| LOCKWASHER | MOUNTING NUT | DIELECTRIC | CONTACT | HOUSING | TE PN     |

|                                                                                       |  |                                            |  |                  |  |                                                                                                                                                 |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------|--|------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>KWW.C.                              |  | 7/8/68           |  |  Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |  |
|                                                                                       |  | CHK<br>P.R.B.                              |  | 7/8/68           |  |                                                                                                                                                 |  |
| DIMENSIONS:<br>INCHES                                                                 |  | TOLERANCES, UNLESS<br>OTHERWISE SPECIFIED: |  | APVD<br>D.N.     |  | NAME                                                                                                                                            |  |
|  |  | 1 PLC ± -                                  |  | PRODUCT SPEC     |  | OSM BULKHEAD FEEDTHRU<br>JACK RECEPTACLE<br>STRAIGHT TERMINAL                                                                                   |  |
|                                                                                       |  | 2 PLC ± -                                  |  | —                |  |                                                                                                                                                 |  |
|                                                                                       |  | 3 PLC ± .005                               |  | APPLICATION SPEC |  |                                                                                                                                                 |  |
|                                                                                       |  | 4 PLC ±                                    |  | —                |  | SIZE                                                                                                                                            |  |
|                                                                                       |  | ANGLES ± 1°d                               |  |                  |  | CAGE CODE                                                                                                                                       |  |
| MATERIAL                                                                              |  | FINISH                                     |  | WEIGHT           |  | DRAWING NO                                                                                                                                      |  |
| —                                                                                     |  | —                                          |  | —                |  | RESTRICTED TO                                                                                                                                   |  |
|                                                                                       |  |                                            |  | A2 00779         |  | —                                                                                                                                               |  |
|                                                                                       |  |                                            |  | C-1053221        |  |                                                                                                                                                 |  |
|                                                                                       |  |                                            |  | CUSTOMER DRAWING |  | SCALE 5:1                                                                                                                                       |  |
|                                                                                       |  |                                            |  |                  |  | SHEET 1 OF 1                                                                                                                                    |  |
|                                                                                       |  |                                            |  |                  |  | REV B                                                                                                                                           |  |