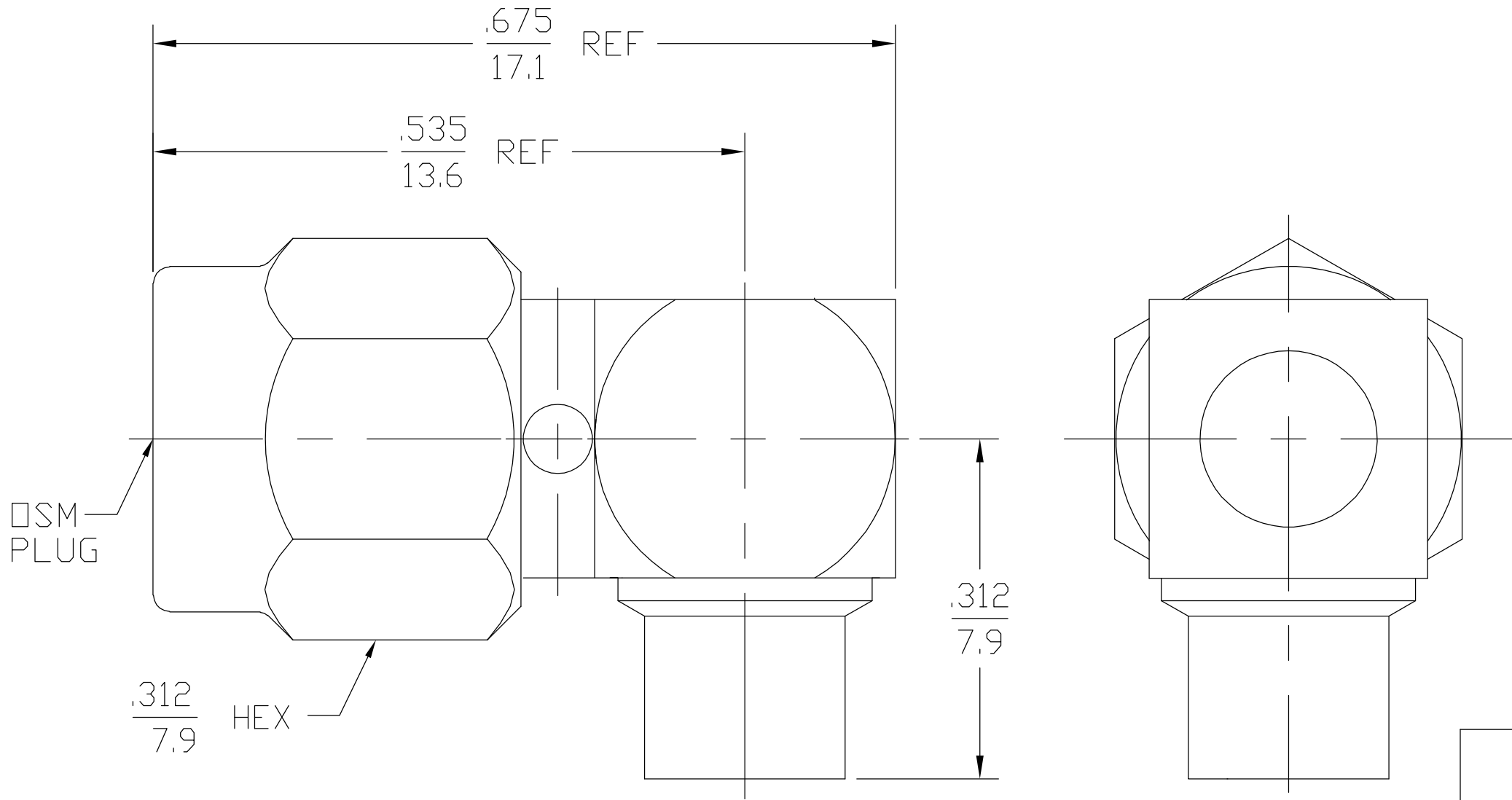


| LOC |  | DIST |    | REVISIONS             |     |             |           |     |      |
|-----|--|------|----|-----------------------|-----|-------------|-----------|-----|------|
| AJ  |  | 00   |    | P                     | LTR | DESCRIPTION | DATE      | DWN | APVD |
|     |  |      | A1 | REV PER ECO 06-026646 |     |             | 1/26/2007 | DW  | JH   |

|                                                                                   |      |
|-----------------------------------------------------------------------------------|------|
| DESIGNED FOR USE WITH<br>.141 SEMI-RIGID CABLE<br>CABLE ENTRY DIAMETER<br>MINIMUM |      |
| HOUSING                                                                           | .144 |
| CONTACT                                                                           | .037 |

⚠ SPECIAL TESTING.



| ELECTRICAL                                                   | MECHANICAL                                     | ENVIRONMENTAL                                                   |
|--------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                  | Interface Dimensions MIL-STD-348A, Fig. 310.1  | TEMPERATURE RATING -65°C TO +165°C                              |
| Frequency Range (GHz) DC to 18                               | Recommended Mating Torque 7-10 in-lbs          | Vibration MIL-STD-202, Method 204, Condition D.                 |
| Volt Rating (VRMS MAX) @ Sea Level 335                       | Mating Characteristics:                        | Shock MIL-STD-202, Method 213, Condition I.                     |
| VSWR 1.10 +.01 f (GHz)                                       | Insertion (MAX Lbs) 3.0                        | Thermal Shock MIL-STD-202, Method 107, Condition B,             |
| Insertion Loss (dB MAX) .05 √F (GHz)                         | Withdrawal (MIN Oz) 1.0                        | EXCEPT HIGH TEMP +115°C                                         |
| RF Leakage (dB MIN) [-90-f (GHz)]                            | Force to Engage and Disengage (In-Lbs MAX) 2.0 | Moisture Resistance MIL-STD-202, Method 106                     |
| Corona, 70,000 Ft (VRMS MIN) 250                             | Center Contact Captivation Axial (Lbs) 6.0     | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000 | Radial (In-Oz) N/A                             |                                                                 |
| Contact Resistance (Milliohms MAX) Center Contact 2.0        | Cable Retention Axial Force (Lbs MIN) 60       |                                                                 |
| Outer Contact 2.0                                            | Torque (In-Oz) 55                              |                                                                 |
| Cable to Housing 0.5                                         | Weight (Grams) TBD                             |                                                                 |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670         |                                                |                                                                 |
| I.R.(Megohms MIN) 10,000                                     |                                                |                                                                 |

.XXX = in  
XX.X = mm

|                      |                                                                         |                            |
|----------------------|-------------------------------------------------------------------------|----------------------------|
| HOUSING COUPLING NUT | STAINLESS STEEL PER ASTM-A-484 AND ASTM-A-582, TYPE 303                 | GOLD PLATE PER MIL-G-45204 |
| DIELECTRIC           | TFE FLUOROCARBON PER ASTM-D-1457                                        | N/A                        |
| CENTER CONTACT       | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300 CONDITION H | 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                     |

|   |              |
|---|--------------|
| ⚠ | 1051109-2    |
|   | 1051109-1    |
|   | PART NUMBERS |

|                                        |                                                                                                                           |                    |                                                                                          |  |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                                                           | DWN R.B.G 11-20-76 | <b>tyco</b> Tyco Electronics Corporation<br><b>Electronics</b> Harrisburg, PA 17105-3608 |  |
| DIMENSIONS: INCHES                     |                                                                                                                           | CHK E.C.A 11-22-76 |                                                                                          |  |
|                                        | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± .005<br>4 PLC ± -<br>ANGLES ± 1° | APVD R.M.F 12-1-76 | NAME SMA HIGH FREQUENCY RIGHT ANGLE CABLE PLUG DIRECT SOLDER (2007-5054-00)              |  |
|                                        |                                                                                                                           | PRODUCT SPEC       | SIZE CAGE CODE DRAWING NO RESTRICTED TO                                                  |  |
| MATERIAL -                             | FINISH -                                                                                                                  | APPLICATION SPEC   | A2 00779 C=1051109 -                                                                     |  |
|                                        |                                                                                                                           | WEIGHT -           | CUSTOMER DRAWING SCALE 5:1 SHEET 1 of 1 REV A1                                           |  |