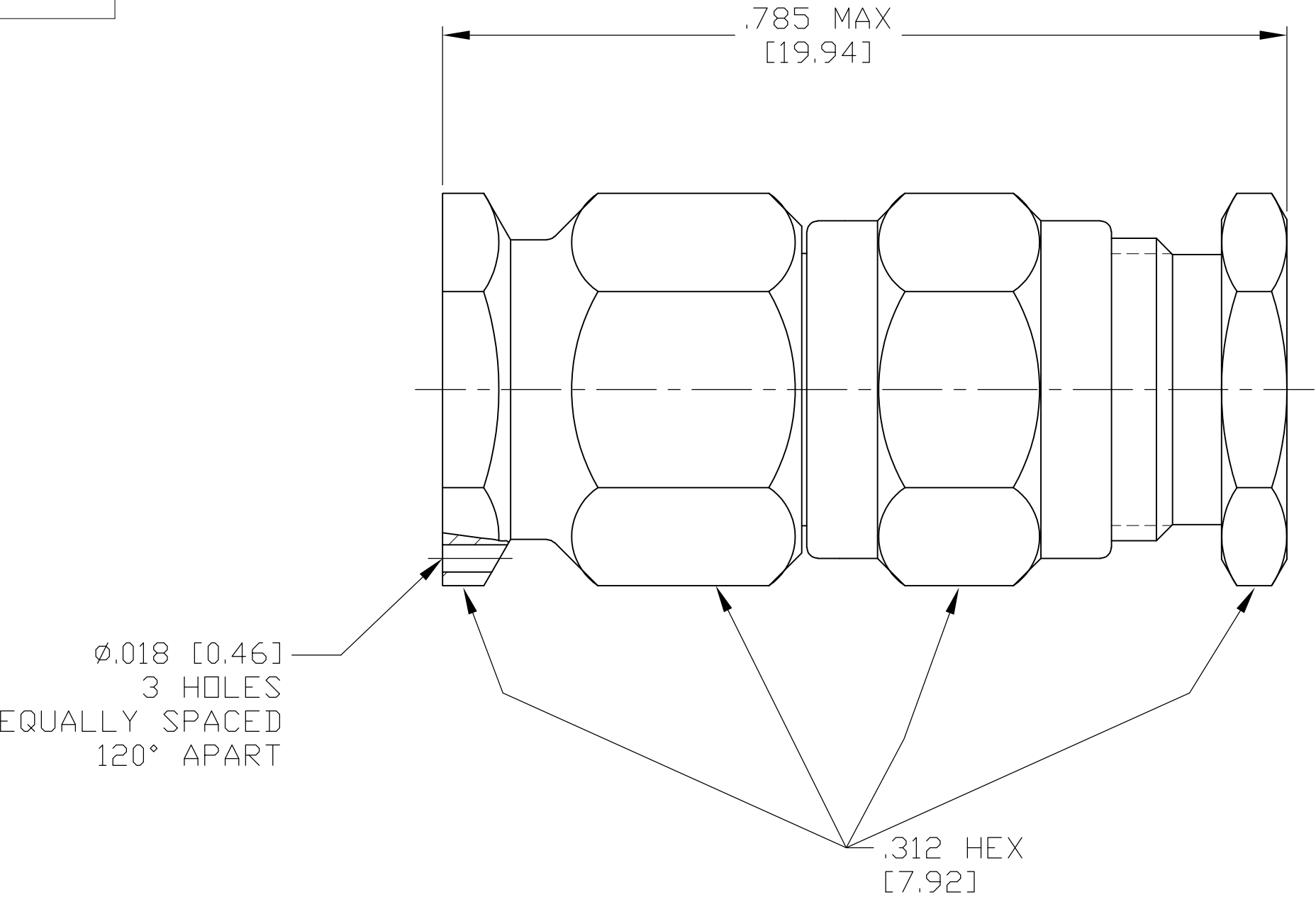


|                                      |  |                                                              |  |                              |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
|--------------------------------------|--|--------------------------------------------------------------|--|------------------------------|--|-----|--|------|--|-----------|--|-----|--|----------------------------|--|----------|--|-----|--|------|--|
| 4                                    |  | 3                                                            |  | 2                            |  | 1   |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| THIS DRAWING IS UNPUBLISHED.         |  | RELEASED FOR PUBLICATION                                     |  | - . - .                      |  | LOC |  | DIST |  | REVISIONS |  |     |  |                            |  |          |  |     |  |      |  |
| © COPYRIGHT                          |  | BY TYCO ELECTRONICS CORPORATION.                             |  | ALL RIGHTS RESERVED.         |  | —   |  | —    |  | P         |  | LTR |  | DESCRIPTION                |  | DATE     |  | DWN |  | APVD |  |
|                                      |  |                                                              |  |                              |  |     |  |      |  |           |  | A   |  | RELEASED PER ECO 10-023439 |  | 11-18-10 |  | CT  |  | DW   |  |
| WASHER<br>WEDGE<br>FERRULE           |  | BRASS PER ASTM-B-16,<br>HALF HARD                            |  | GOLD PLATE PER<br>ASTM-B-488 |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| HOUSING<br>COUPLING NUT<br>CLAMP NUT |  | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303 |  | PASSIVATE PER<br>QQ-P-35     |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| DIELECTRIC                           |  | PTFE FLUOROCARBON<br>PER ASTM-D-1457                         |  | N/A                          |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| CENTER CONTACT                       |  | BERYLLIUM COPPER PER<br>ASTM-B-196<br>ALLOY 173              |  | GOLD PLATE PER<br>ASTM-B-488 |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| RETAINING RING                       |  | BERYLLIUM COPPER<br>ASTM-B-194                               |  | N/A                          |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| GASKET                               |  | SILICONE RUBBER PER<br>ZZ-R-765                              |  | N/A                          |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |
| COMPONENT                            |  | MATERIAL                                                     |  | FINISH                       |  |     |  |      |  |           |  |     |  |                            |  |          |  |     |  |      |  |



| ELECTRICAL                                                                | MECHANICAL                                     | ENVIRONMENTAL                                                |
|---------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                               | Interface Dimensions MIL-STD-348, Fig. 310.1   | TEMPERATURE RATING -65°C TO +165°C                           |
| Frequency Range (GHz) DC to max operating frequency of cable per MIL-C-17 | Recommended Mating Torque 7 to 10 inch-pounds  | Vibration MIL-STD-202, Method 204, Condition D               |
| Volt Rating (VRMS MAX) @ Sea Level 250                                    | Mating Characteristics:                        | Shock MIL-STD-202, Method 213, Condition I                   |
| VSWR 1.15 +0.02 (F)GHz                                                    | Insertion (MAX Lbs) N/A                        | Thermal Shock MIL-STD-202, Method 107, Condition B,          |
| Insertion Loss (dB MAX) .06 √FGHz test at f = 6.0 GHz                     | Withdrawal (MIN Oz) N/A                        | EXCEPT HIGH TEMP SHALL BE +85°C                              |
| RF Leakage (dB MIN) -60dB MIN between 2 & 3 GHz                           | Force to Engage and Disengage (In/Lbs MAX) 2.0 | HIGH TEMP SHALL BE +200°C FOR CONNECTORS USING +200°C CABLES |
| Corona, 70,000 Ft (VRMS MIN) 190                                          | Center Contact Captivation                     | Moisture Resistance MIL-STD-202, Method 106                  |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750                | Axial (Lbs) 6 LBS MIN                          | Corrosion - MIL-STD-202, Method 101, Condition B             |
| Contact Resistance (Milliohms MAX)                                        | Radial (In/Oz) N/A                             |                                                              |
| Center Contact 3.0                                                        | Cable Retention                                |                                                              |
| Outer Contact 2.0                                                         | Axial Force (Lbs) 20                           |                                                              |
| Cable to Housing .05                                                      | Torque (In/Oz) N/A                             |                                                              |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500                      | Weight (Grams) 4.8                             |                                                              |
| I.R.(Megohms MIN) 5000                                                    |                                                |                                                              |

|                                     |             |
|-------------------------------------|-------------|
| DESIGNED FOR USE WITH RG188/U CABLE |             |
| CABLE ENTRY DIAMETER MINIMUM        |             |
| CLAMP NUT                           | .113 [2.87] |
| FERRULE                             | .066 [1.68] |
| CONTACT                             | .023 [0.58] |

|                                        |  |                         |                                                           |                 |
|----------------------------------------|--|-------------------------|-----------------------------------------------------------|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN C.C.THOMAS 11-18-10 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |                 |
|                                        |  | CHK D.WILSON 11-18-10   |                                                           |                 |
|                                        |  | APVD D.WILSON 11-18-10  | NAME                                                      |                 |
|                                        |  | PRODUCT SPEC            | SMA STRAIGHT CABLE PLUG KIT, CLAMP ATTACHMENT             |                 |
|                                        |  | APPLICATION SPEC        |                                                           |                 |
|                                        |  | WEIGHT                  | SIZE A2                                                   | CAGE CODE 00779 |
|                                        |  | CUSTOMER DRAWING        | DRAWING NO C=1996173                                      | RESTRICTED TO   |
|                                        |  | SCALE 8:1               | SHEET 1 of 1                                              | REV A           |