

|                                                  |                          |             |
|--------------------------------------------------|--------------------------|-------------|
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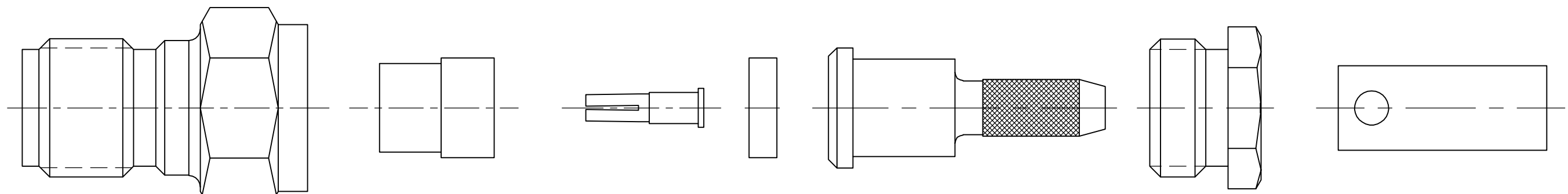
|     |      |           |     |                      |       |     |      |
|-----|------|-----------|-----|----------------------|-------|-----|------|
| LOC | DIST | REVISIONS |     |                      |       |     |      |
| DF  | X0   | P         | LTR | DESCRIPTION          | DATE  | DWN | APVD |
|     |      |           | C   | REV PER 0G3D-0032-03 | 11-03 | JMK | JL   |

| COMPONENT                | MATERIAL                                                               | FINISH                             |
|--------------------------|------------------------------------------------------------------------|------------------------------------|
| HOUSING<br>—             | STAINLESS STEEL PER<br>ASTM-A-484 OR ASTM-A-582<br>TYPE 303            | PASSIVATED PER<br>ASTM-A-380<br>—  |
| —<br>DIELECTRIC<br>—     | PTFE FLUORCARBON<br>PER ASTM-D-1457<br>—                               | —<br>—<br>—                        |
| —<br>CENTER CONTACT<br>— | BERYLLIUM COPPER PER<br>ASTM-B-196 OR 197<br>ALLOY C17300, CONDITION H | GOLD PLATED PER<br>ASTM-B-488<br>— |
| CLAMP NUT<br>—           | STAINLESS STEEL PER<br>ASTM-A-484 OR ASTM-A-582<br>TYPE 303            | PASSIVATED PER<br>ASTM-A-380<br>—  |
| —<br>—<br>—              | —<br>—<br>—                                                            | —<br>—<br>—                        |
| —<br>FERRULE<br>—        | COPPER OR BRASS<br>ALLOY, ROCKWELL<br>F65 MAX                          | GOLD PLATED PER<br>ASTM-B-488<br>— |
| —<br>—<br>—              | —<br>—<br>—                                                            | —<br>—<br>—                        |
| —<br>INNER SLEEVE<br>—   | STAINLESS STEEL PER<br>ASTM-A-484 OR ASTM-A-582<br>TYPE 303            | GOLD PLATED PER<br>ASTM-B-488<br>— |

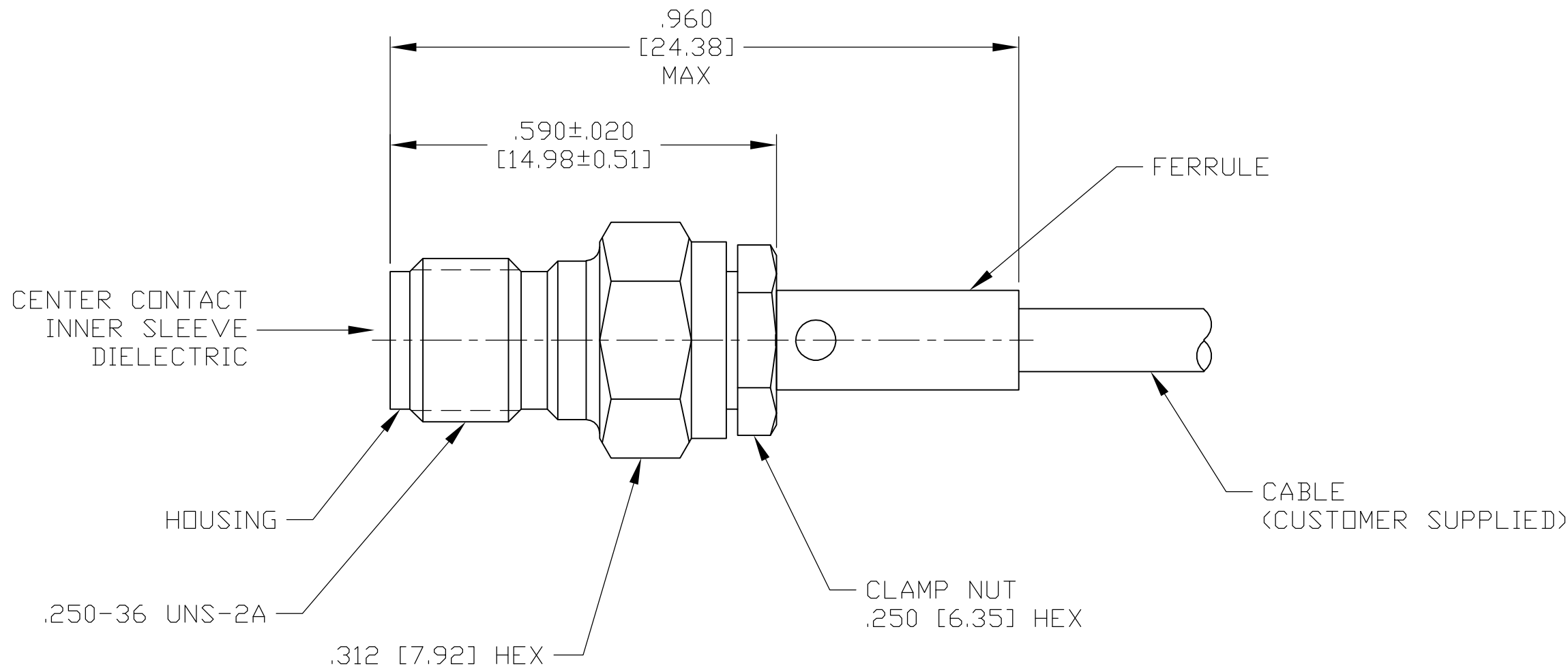
| ENVIRONMENTAL                                                                |
|------------------------------------------------------------------------------|
| TEMPERATURE RATING: -65°C TO +165°C                                          |
| VIBRATION: MIL-STD-202, METHOD 204, CONDITION D                              |
| SHOCK: MIL-STD-202, METHOD 213, CONDITION 1                                  |
| MOISTURE RESISTANCE: MIL-STD-202, METHOD 106                                 |
| CORROSION: MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY               |
| THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B<br>EXCEPT HIGH TEMP 85°C |

| MECHANICAL                                 |                      |     |
|--------------------------------------------|----------------------|-----|
| INTERFACE DIMENSIONS: MIL-STD-348A FIG.    | 310.2                |     |
| RECOMMENDED MATING TORQUE: 7-10 IN-LBS     |                      |     |
| FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX.): | 2.0                  |     |
| WEIGHT (GRAMS):                            | TBD                  |     |
| MATING CHARACTERISTICS:                    | INSERTION (MAX LBS)  | 2   |
|                                            | WITHDRAWAL (MIN OZ): | 1   |
| CABLE RETENTION:                           | AXIAL FORCE (LBS)    | 20  |
|                                            | TORQUE (IN-OZ):      | N/A |
| CENTER CONTACT CAPTIVATION:                | AXIAL (LBS):         | 6.0 |
|                                            | RADIAL (IN-OZ):      | N/A |

| ELECTRICAL                                               |                            |
|----------------------------------------------------------|----------------------------|
| NORMAL IMPEDANCE (OHMS):                                 | 50                         |
| FREQUENCY RANGE (GHz):                                   | DC TO 12.4                 |
| VOLT RATING @ SEA LEVEL (VRMS MAX):                      | 250                        |
| VSWR:                                                    | 1.15+0.02f(GHz)            |
| INSERTION LOSS: (dB MAX):                                | .06 $\sqrt{f(\text{GHz})}$ |
| RF LEAKAGE (dB MIN):                                     | -60 @ 2-3GHz               |
| CORONA 70,000 FT (VRMS MIN):                             | 190                        |
| DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: | 750                        |
| I.R. (MEGOHMS MIN):                                      | 10,000                     |
| RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):       | 500                        |
| CONTACT RESISTANCE (MILLIOHMS MAX):                      |                            |
|                                                          | CENTER CONTACT: 3.0        |
|                                                          | OUTER CONTACT: 2.0         |
|                                                          | CABLE TO HOUSING: 0.5      |



AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW

|                                           |             |
|-------------------------------------------|-------------|
| DESIGNED TO USE<br>RG-174/U OR EQUIVALENT |             |
| CABLE ENTRY<br>DIAMETER MIN               |             |
| HOUSING:                                  | N/A         |
| CONTACT:                                  | N/A         |
| DIELECTRIC:                               | .021 [0.53] |
| INNER SLEEVE:                             | .066 [1.68] |
| FERRULE:                                  | .127 [3.23] |

|                                                                                       |  |                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                                                                                                                                                                                  |
| DIMENSIONS:<br><br>INCHES [mm]                                                        |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                                                                                                        |
|  |  | 0 PLC            ±    -<br>1 PLC            ±    -<br>2 PLC            ±    -<br>3 PLC            ±    -<br>4 PLC            ±    .005 [0.13]<br>5 PLC            ±    -<br>ANGLES        ±    - |
|                                                                                       |  |                                                                                                                                                                                                  |
|                                                                                       |  |                                                                                                                                                                                                  |
|                                                                                       |  |                                                                                                                                                                                                  |
|                                                                                       |  |                                                                                                                                                                                                  |
|                                                                                       |  |                                                                                                                                                                                                  |
| MATERIAL                                                                              |  | FINISH                                                                                                                                                                                           |
| SEE TABLE                                                                             |  | SEE TABLE                                                                                                                                                                                        |

|                  |         |
|------------------|---------|
| DWN              | 8-28-02 |
| J. KAISER        |         |
| CHK              | 10-8-02 |
| J. LIPPERT       |         |
| APVD             | 10-8-02 |
| J. LIPPERT       |         |
| PRODUCT SPEC     |         |
| —                |         |
| APPLICATION SPEC |         |
| 408-8741         |         |
| WEIGHT           | TBD     |
| CUSTOMER DRAWING |         |

|                                                                                       |           |                                                      |     |       |               |
|---------------------------------------------------------------------------------------|-----------|------------------------------------------------------|-----|-------|---------------|
|  |           | Tyco Electronics Corporation<br>Harrisburg, PA 17105 |     |       |               |
| NAME<br>SMA STRAIGHT CABLE JACK-SOLDER ATTACHMENT<br>(M39012/57-3007) CAT A<br>—      |           |                                                      |     |       |               |
| SIZE                                                                                  | CAGE CODE | DRAWING NO                                           |     |       | RESTRICTED TO |
| A2                                                                                    | 00779     | C=1051900                                            |     |       | —             |
|                                                                                       |           | SCALE                                                | 5:1 | SHEET | 1 OF 1        |
|                                                                                       |           |                                                      |     | REV   | C             |

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