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| LOC | DIST | REVISIONS   |                             |           |       |
|-----|------|-------------|-----------------------------|-----------|-------|
| P   | LTR  | DESCRIPTION | DATE                        | DWN       | APVD  |
| AJ  | 00   | B           | REVISED PER EC 0514-0098-05 | 04MAY2006 | KS KW |

CONNECTOR SUB-ASSEMBLY (BOTH ENDS)

COAXIAL CABLE

150±5  
CENTERLINE TO CENTERLINE

△ CONNECTOR CENTERLINES SHALL BE ALIGNED AS SHOWN WITHIN ±30° FOR LENGTHS 165mm OR LESS LENGTHS ABOVE 165mm SHALL HAVE CONNECTOR CENTERLINES ALIGNED AT RANDOM

1081829-1

PART NUMBER

| ELECTRICAL                      |  |
|---------------------------------|--|
| FREQUENCY                       | DC - 6 GHz                               |
| NOMINAL IMPEDENCE               | 50 OHMS                                  |
| VOLTAGE RATING                  | 250 VOLTS (VRMS MAX) @ SEA LEVEL         |
| VSWR (MATED CONNECTORS ONLY)    | 1.20:1 MAX @ 2 GHz<br>1.40:1 MAX @ 6 GHz |
| INSULATION RESISTANCE           | 1,000 MEGOHMS MIN @ 250VDC               |
| DIELECTRIC WITHSTANDING VOLTAGE | 500 VOLTS (VRMS MIN) @ SEA LEVEL         |
| MECHANICAL                      |  |
| CONNECTOR DURABILITY            | 100 MATING CYCLES                        |
| ENVIRONMENTAL                   |  |
| TEMPERATURE RATING              | -40°C(-40°F) TO +125°C(257°F)            |

| SSMT CONNECTOR   | MATERIAL                             | FINISH                       |
|------------------|--------------------------------------|------------------------------|
| OUTER CONTACT    | BERYLLIUM COPPER                     | GOLD PLATE OVER NICKEL PLATE |
| CENTER CONTACT   | BERYLLIUM COPPER                     | GOLD PLATE OVER NICKEL PLATE |
| DIELECTRIC       | POLYPROPYLENE, GF                    | N/A                          |
| CABLE            | MATERIAL                             | FINISH                       |
| JACKET           | FLUORINATED ETHYLENE PROPYLENE (FEP) | N/A                          |
| SHIELD           | COPPER WIRE, 44 AWG                  | SILVER PLATE                 |
| DIELECTRIC       | POLYTETRAFLUOROETHYLENE (PTFE)       | N/A                          |
| CENTER CONDUCTOR | COPPER CLAD STEEL, 30 AWG            | SILVER PLATE                 |
| COMPONENT        | MATERIAL                             | FINISH                       |

| PRODUCT SPEC  |  |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
|---|--|------------|---|-----------|---|-----|------------|-----------|------|------------|-----------|------|--|--|------|-----------|------------|---------------|----|-------|-----------|---|------------------|--|-------|-------|--|--|------|--------|--|--|-----|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| DIMENSIONS:<br>mm   | TOLERANCES UNLESS OTHERWISE SPECIFIED:       |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| 0 PLC ± -   | 1 PLC ± -                                    |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| 2 PLC ± -   | 3 PLC ± 0.13                                 |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| 4 PLC ± -   | ANGLES ± 1°                                  |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| MATERIAL  | FINISH                                       |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| -   | -  |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| <table border="1"> <tr> <td>DWN</td> <td>DK SCHRUM</td> <td>04MAY2006</td> <td rowspan="4">            Tyco Electronics Corporation<br/>           Harrisburg, PA 17105-3608         </td> </tr> <tr> <td>CHK</td> <td>KE WEIDNER</td> <td>04MAY2006</td> </tr> <tr> <td>APVD</td> <td>KE WEIDNER</td> <td>04MAY2006</td> </tr> <tr> <td>NAME</td> <td colspan="2">SSMT RIGHT ANGLE JACK TO JACK CABLE ASSEMBLY</td> </tr> <tr> <td>SIZE</td> <td>CAGE CODE</td> <td>DRAWING NO</td> <td>RESTRICTED TO</td> </tr> <tr> <td>A2</td> <td>00779</td> <td>C=1081829</td> <td>-</td> </tr> <tr> <td colspan="2">CUSTOMER DRAWING</td> <td>SCALE</td> <td>SHEET</td> </tr> <tr> <td colspan="2"></td> <td>15:1</td> <td>1 of 1</td> </tr> <tr> <td colspan="2"></td> <td>REV</td> <td>B</td> </tr> </table> |  | DWN        | DK SCHRUM   | 04MAY2006 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 | CHK | KE WEIDNER | 04MAY2006 | APVD | KE WEIDNER | 04MAY2006 | NAME | SSMT RIGHT ANGLE JACK TO JACK CABLE ASSEMBLY |  | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO | A2 | 00779 | C=1081829 | - | CUSTOMER DRAWING |  | SCALE | SHEET |  |  | 15:1 | 1 of 1 |  |  | REV | B |
| DWN   | DK SCHRUM                                    | 04MAY2006  | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| CHK   | KE WEIDNER                                   | 04MAY2006  |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| APVD  | KE WEIDNER                                   | 04MAY2006  |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| NAME  | SSMT RIGHT ANGLE JACK TO JACK CABLE ASSEMBLY |            |   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| SIZE  | CAGE CODE                                    | DRAWING NO | RESTRICTED TO   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| A2  | 00779  | C=1081829  | -   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
| CUSTOMER DRAWING  |  | SCALE      | SHEET   |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
|   |  | 15:1       | 1 of 1  |           |   |     |            |           |      |            |           |      |  |  |      |           |            |               |    |       |           |   |                  |  |       |       |  |  |      |        |  |  |     |   |
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