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| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|---------------------------|---------|-------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| AJ | 00 | C | REVISED PER ECO 08-026438 | 24OCT08 | DW MS |

SMA STRAIGHT PLUG

1. PERFORMANCE SHOWN FOR SSMT CONNECTOR AND CABLE ONLY.
 FOR CABLE ASSEMBLY DATA CONSULT FACTORY.

SMA CONNECTOR

| | | |
|------------------------|-------------------------------------|--------------|
| HOUSING & COUPLING NUT | STAINLESS STEEL | PASSIVATE |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD PLATE |
| INNER CONTACT | BERYLLIUM COPPER | GOLD PLATE |
| DIELECTRIC | POLYTETRAFLUOROETHYLENE (PTFE) | N/A |
| RETAINING RING | BERYLLIUM COPPER | N/A |
| GASKET | SILICONE RUBBER | N/A |
| FERRULE | COPPER OR BRASS | NICKEL PLATE |
| SHRINK TUBING | HEAT SHRINKABLE POLYOLEFIN COMPOUND | N/A |

| | |
|-------|-------------|
| 7620 | 1064560-2 |
| 305 | 1064560-1 |
| DIM A | PART NUMBER |

SSMT CONNECTOR

| | | |
|----------------|-------------------|------------|
| OUTER CONTACT | BERYLLIUM COPPER | GOLD PLATE |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD PLATE |
| DIELECTRIC | POLYPROPYLENE, GF | N/A |

CABLE

| | | |
|------------------|--------------------------------------|--------------|
| 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 |

INSULATING DISK

POLYESTER

N/A

COMPONENT

MATERIAL

FINISH

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

PRODUCT SPEC

| | | | | | |
|--|--|---|------------|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | DK SCHRUM | 04MAY2006 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 |
| | | CHK | KE WEIDNER | 04MAY2006 | |
| | | APVD | KE WEIDNER | 04MAY2006 | |
| | | PRODUCT SPEC | | | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME SSMT RIGHT ANGLE JACK TO SMA STRAIGHT PLUG INTERSERIES CABLE ASSEMBLY | |
| | | 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± 0.13[.005] 4 PLC ± - ANGLES ± 1° | | APPLICATION SPEC - - - - | |
| MATERIAL | | FINISH | | SIZE A2 | |
| - | | - | | CAGE CODE 00779 | |
| | | | | DRAWING NO C=1064560 | |
| | | | | RESTRICTED TO - | |
| | | | | SCALE 4:1 | |
| | | | | SHEET 1 OF 1 | |
| | | | | REV C | |
| | | | | CUSTOMER DRAWING | |

AMP 1471-9 REV 31MAR2000

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