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| COMPONENT | MATERIAL | FINISH |
|----------------|---|----------------------------|
| HOUSING | STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303 | GOLD PLATED PER ASTM-B-488 |
| DIELECTRIC | TFE FLUORCARBON PER ASTM-D-1457 | - |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197 ALLOY C17300, CONDITION H | GOLD PLATED PER ASTM-B-488 |

| ENVIRONMENTAL |
|---|
| TEMPERATURE RATING: -65°C TO +105°C |
| VIBRATION: MIL-STD-202, METHOD 204, CONDITION IV |
| SHOCK: MIL-STD-202, METHOD 213, CONDITION G |
| 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 A EXCEPT HIGH TEMP +200°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): 2.0 WITHDRAWAL (MIN OZ): 2.0 |
| CABLE RETENTION: AXIAL FORCE (LBS): N/A 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 12.0 |
| VOLT RATING @ SEA LEVEL (VRMS MAX): 335 |
| VSWR: $1.05 + .005f(\text{GHz})$ |
| INSERTION LOSS: (dB MAX): $.06 \sqrt{f(\text{GHz})}$ |
| RF LEAKAGE (dB MIN): $-[60 - f(\text{GHz})]$ |
| CORONA 70,000 FT (VRMS MIN): 250 |
| DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 1,000 |
| I.R. (MEGOHMS MIN): 5,000 |
| RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 670 |
| CONTACT RESISTANCE (MILLIOHMS MAX): CENTER CONTACT: 3.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: 0.5 |

| LOC | DIST | REVISIONS | | | |
|-----|------|----------------------------|--------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| - | - | RELEASED PER ECO 09-005287 | 3-5-09 | CT | DW |

Technical drawing of a panel mount jack receptacle. The drawing includes a side view and a front view. Key dimensions and features are as follows:

- Side View Dimensions:**
 - Total length: .375 [9.53]
 - Distance from end to center contact: .057 [1.45]
 - Distance from end to dielectric: .049 [1.24] REF
 - Dielectric diameter: $\phi .010$ [0.25]
 - Center contact diameter: $\phi .085 \pm .002$ [2.16 ± 0.05]
 - Distance from end to housing: .065 [1.65]
 - Thread specification: .250-36 UNS-2A
- Front View Dimensions:**
 - Overall width: .223 [5.66]
 - Distance between contact centers: .481 [12.22] REF
 - Overall height: $\phi .625 \pm .015$ [15.87 ± 0.38]
 - Distance from center to contact center: $\phi .102^{+.004}_{-.003}$ [2.59 ± 0.10]
 - Number of contacts: 2 PLC

1996934-1
PART NO.

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---------------|------------|--------|---|-------|---|---|-------|---|---|-------|---|-------------|-------|---|---|--------|---|---|--------------|------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | C.C.THOMAS | 3-5-09 | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 | | | | | | | | | | | | | | | | | | |
| DIMENSIONS: INCHES [mm] | | CHK | D.WILSON | 3-5-09 | | | | | | | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | D.WILSON | 3-5-09 | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>0 PLC</td><td>±</td><td>-</td></tr> <tr><td>1 PLC</td><td>±</td><td>-</td></tr> <tr><td>2 PLC</td><td>±</td><td>-</td></tr> <tr><td>3 PLC</td><td>±</td><td>.005 [0.13]</td></tr> <tr><td>4 PLC</td><td>±</td><td>-</td></tr> <tr><td>ANGLES</td><td>±</td><td>-</td></tr> </table> | | 0 PLC | ± | - | | 1 PLC | ± | - | 2 PLC | ± | - | 3 PLC | ± | .005 [0.13] | 4 PLC | ± | - | ANGLES | ± | - | PRODUCT SPEC | NAME | |
| 0 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | |
| 1 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | |
| 2 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | |
| 3 PLC | ± | .005 [0.13] | | | | | | | | | | | | | | | | | | | | | |
| 4 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | |
| ANGLES | ± | - | | | | | | | | | | | | | | | | | | | | | |
| MATERIAL | SEE TABLE | FINISH | SEE TABLE | WEIGHT | SEE TABLE | | | | | | | | | | | | | | | | | | |
| CUSTOMER DRAWING | | SCALE | 8:1 | SHEET | 1 OF 1 | | | | | | | | | | | | | | | | | | |
| | | RESTRICTED TO | - | | | | | | | | | | | | | | | | | | | | |

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