

### 1/4" JACKS TECHNICAL DATA

|                                   |                                                           | VALUE                                                                                                                                                                                      |
|-----------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL CHARACTERISTICS</b>    | Number of Contacts                                        | 2 Pole (Mono)<br>3 Pole Tip Ring Sleeve (Stereo)                                                                                                                                           |
|                                   | Termination                                               | Solder, PCB or Combo                                                                                                                                                                       |
|                                   | Flammability rating of insulating plastics                | UL94V-0 or UL94-HB                                                                                                                                                                         |
|                                   | Solderability, complies with                              | IEC 68-2-20                                                                                                                                                                                |
|                                   | Environmental                                             | Complies with EU RoHS 2 Directive 2011/65/EU                                                                                                                                               |
| <b>ELECTRICAL CHARACTERISTICS</b> | Current Carrying Capacity                                 | 10A (Depends on Mating Connector and Cable)                                                                                                                                                |
|                                   | Typical Contact Resistance                                | ≤10mΩ                                                                                                                                                                                      |
|                                   | Insulation resistance (initial)<br>After Damp Heat Test   | >2GΩ<br>≥10 <sup>3</sup> Meg Ω                                                                                                                                                             |
|                                   | Rated Voltage<br>Test Voltage AC RMS: Dielectric Strength | 34V<br>500V                                                                                                                                                                                |
| <b>CLIMATIC CHARACTERISTICS</b>   | Protection Class                                          | IP40                                                                                                                                                                                       |
|                                   | Operating Temperature                                     | -25°C to +70°C (-13°F to 158°F)                                                                                                                                                            |
| <b>MECHANICAL CHARACTERISTICS</b> | Insertion and Withdrawal Force                            | ≥10N - ≤30N                                                                                                                                                                                |
|                                   | Mating Cycles                                             | Min. of 10,000 cycles                                                                                                                                                                      |
|                                   | Weight<br>- Straight<br>- Right Angle                     | 18g (0.039lb)<br>25g (0.055lb)                                                                                                                                                             |
| <b>MATERIALS</b>                  | Connector Housing                                         | Nylon PA66 30% Glass Filled                                                                                                                                                                |
|                                   | Metal Nut                                                 | Brass                                                                                                                                                                                      |
|                                   | Plastic Nut                                               | Nylon PA66 30% Glass Filled                                                                                                                                                                |
|                                   | Washer                                                    | Fiber / Brass / Nylon PA66 30% Glass Filled                                                                                                                                                |
|                                   | Contact Plating                                           | Tin - 4μm Min. over 2μm Min.Cu (Copper)<br>Silver - 0.3μm Min. over 2μm Min.Cu (Copper)<br>Nickel - 2μm Min. over 2μm Min.Cu (Copper)<br>Gold Flash - 0.05μm Min. over 2μm Min.Cu (Copper) |
|                                   | Contacts                                                  | Brass / Sn (Tin) over Cu (Copper)                                                                                                                                                          |

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<sup>1</sup>Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.