GENERAL SPECIFICATIONS

- **FEMALE SOCKET MATERIAL**: black UL 94V-0 glass-filled 4/6 Nylon 170°C continuous use temp.
- **PCB**: FR-4, 0.062 [1.56] or 0.094 [2.39] thick
- **MALE PINS**: Brass 360 1/2-hard per UNS C36000, ASTM-B16-00
- **MALE PIN PLATING**: 200µ [5.08µ] Sn/Pb 93/7 ASTM B579-73 over 100µ [2.54µ] Ni per SAE AMS-QQ-N-290
- **FEMALE PIN BODY**: Brass 360 1/2-hard per UNS C 36000, ASTM B16/B16M
- **4-FINGER COLLET CONTACT**: BeCu per UNS C17200, ASTM B194-08
- **CONTACT PLATING**: 10µ [0.25µ] Au per MIL-G-45204 over 50µ [1.27µ] Ni per SAE AMS-QQ-N-290
- **MINIMUM CONTACT CURRENT RATING**: 1 amp @ 5VDC
- **OPERATING TEMPERATURE**: 221°F [105°C]
- **INSERTION FORCE**: 180g/pin, based on a 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE**: 90g/pin, based on a 0.018 [0.46] dia. test lead
- **NORMAL FORCE**: 140g/pin, based on a 0.018 [0.46] dia. test lead
- **SOCKET ACCEPTS LEADS**: 0.015-0.025 [0.38-0.64] in dia., 0.100-0.125 [2.54-3.18] long 0.015 dia. holes in PCB for #30 AWG Kynar® wire or equivalent

MOUNTING CONSIDERATIONS

- Standard thru hole

CUSTOMIZATION: In addition to the standard products shown on this page, Aries specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on the quantity. **NOTE**: Aries reserves the right to change product general specifications without notice.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series</th>
<th>No. of Pins</th>
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<tbody>
<tr>
<td>1109800-XX</td>
<td>8, 14, 16, 18, 20, 22, 24, 28</td>
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</tbody>
</table>

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS