Adapter for crimping #20 awg wire to size #23 contacts

Size #22 AWG wire is the largest wire size that fits standard size 23 contacts. Use this adapter to attach larger #20 gage wire. First, crimp wire to adapter, then crimp the adapter into the size #23 contact. Adapters are made of tellurium copper alloy #1452, and are gold plated. Crimp with M22520/1-01 tool and 809-138 (Daniels TH653) positioner. These adapters cannot be removed from connectors.

<table>
<thead>
<tr>
<th>Adapter Size</th>
<th>Wire Size</th>
<th>Part Number</th>
<th>Tool Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>#22-20</td>
<td>#20</td>
<td>809-093</td>
<td>J, L</td>
</tr>
</tbody>
</table>

#20 AWG Wire Adapter

Size #20HD crimp contacts

High-density size #20HD contacts accept #20 to #24 AWG wire. At rated test current of 7.5 amps, the maximum voltage drop is 55 millivolts. Contacts are gold-plated copper alloy. Socket contacts feature stainless steel hoods to protect against probe damage. Contacts are bulk packaged. Terminate with M22520/2-01 crimper and 809-206 positioner.

#20HD Pin Contact

#20HD Socket Contact

NOTES

Material and Finish

- Beryllium copper alloy, 50 microinches gold plated per ASTM B488 Type II Code C Class 1.25 over nickel plate per QQ-N-290 Class 2, 50-100 microinches. Socket contact hood: stainless steel, passivated per AMS-QQ-P-35.

Specifications

- Current Rating: 7.5 Amps maximum
- Temperature Range: -65° to + 175° C
- Socket Contact Minimum Separation Force: 0.7 ounces

Crimp Tensile Strength

<table>
<thead>
<tr>
<th>Contact Type</th>
<th>Wire Gage</th>
<th>Wire Size</th>
<th>Part Number</th>
<th>Tool Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin</td>
<td>#20 – #24</td>
<td>20</td>
<td>809-204</td>
<td>A, I</td>
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<tr>
<td>Socket</td>
<td>#20 – #24</td>
<td>8</td>
<td>809-205</td>
<td>A, I</td>
</tr>
</tbody>
</table>

Dimensions in Inches (millimeters) are subject to change without notice.

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