3M™ IDC Ribbon Cable Socket
.100” × .100” for .050” Pitch Cable

891 Series

- Preassembled, packaging on swords for easy loading of manual and semi-automatic assembly equipment
- “Bumps” are designed to prevent premature latch locking during shipment
- Optional double-sided adhesive pull tab for easy unplugging
- Double-recessed cover for cable terminating from either side virtually eliminating the need for single-recessed cover connectors
- Military polarization, with or without centerbump
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 18, 2012

Insulation:
- Material: Glass Filled Polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray

Contact:
- Material: Phosphor Bronze

Plating:
- Underplating: 50 μ” [ 1.27 μm ] Nickel
- Wiping Area: 30 μ” [ 0.76 μm ] Gold

Wire Accommodation: 26 and 28 AWG Stranded

Marking: 3M Logo and Orientation Triangle

Current Rating:

<table>
<thead>
<tr>
<th>Wire Gauge</th>
<th>1 line</th>
<th>6 Adjacent Lines</th>
<th>All Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 AWG</td>
<td>4.25</td>
<td>1.75</td>
<td>1.25</td>
</tr>
<tr>
<td>26 AWG</td>
<td>4.50</td>
<td>2.25</td>
<td>1.50</td>
</tr>
</tbody>
</table>


Insulation Resistance: > 1 × 10^9 Ω at 500 V_{DC}

Withstanding Voltage: 1,000 V_{rms} at Sea Level

Temperature Rating: -55°C to +105°C

UL File No.: E68080
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<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>8</td>
<td>0.58 [14.7]</td>
</tr>
<tr>
<td>10</td>
<td>0.68 [17.3]</td>
</tr>
<tr>
<td>14</td>
<td>0.88 [22.4]</td>
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<tr>
<td>16</td>
<td>0.98 [24.9]</td>
</tr>
<tr>
<td>20</td>
<td>1.18 [30.0]</td>
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<tr>
<td>24</td>
<td>1.38 [35.1]</td>
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<tr>
<td>26</td>
<td>1.48 [37.6]</td>
</tr>
<tr>
<td>30</td>
<td>1.68 [42.7]</td>
</tr>
<tr>
<td>34</td>
<td>1.88 [47.8]</td>
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<tr>
<td>36</td>
<td>1.98 [50.3]</td>
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<tr>
<td>40</td>
<td>2.18 [55.4]</td>
</tr>
<tr>
<td>44</td>
<td>2.38 [60.5]</td>
</tr>
<tr>
<td>50</td>
<td>2.68 [68.1]</td>
</tr>
<tr>
<td>60</td>
<td>3.18 [80.8]</td>
</tr>
</tbody>
</table>

Inch

<table>
<thead>
<tr>
<th>Dimensions for Reference only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch</td>
</tr>
</tbody>
</table>

Tolerance Unless Noted

Material: Gray Polyester (PBT)

Ordering Information

Sockets
891XX-0X0X

Strain Relief
(Order Separately)
3448-891XX

Pull Tabs
(Order Separately)
See TS-0496

Assembly tools: 3M™ Press (or equivalent) 3640, 3M™ Locator Plate 3443-107N, 3M™ Platen 3442-9.

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For technical, sales or ordering information call
800-225-5373
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Recommended Post Pattern for Stacked Configurations

Note 1: Measured at tip.
Note 2: Tapered pin tip configuration recommended.
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