3M™ IDC Ribbon Cable Socket

.100” × .100” for .050” Pitch Cable

- Preassembled, packaging on swords for easy loading of manual and semi-automatic assembly equipment
- Bulk packaging option for maximum economy
- “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
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: August 21, 2013
TS-2243-G
Sheet 1 of 3

Physical

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

Contact:
Material: Phosphor Bronze

Plating:
Underplating: 50 μ” [1.27 μm] Nickel
Wiping Area: 15 μ” [0.38 μm] Gold
Wire Accommodation: 26 and 28 AWG Stranded

Marking: 3M Logo and Orientation Triangle

Electrical

Current Rating:

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


Insulation Resistance: $> 1 \times 10^9 \, \Omega$ at 500 VDC

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

Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E68080
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D89 Series

Ordering Information

Sockets
D891XX-0XX1HK

Contact Quantity
See Table

Plating:
HK = 15 μ [0.38 μm] Gold

Polarization Options:
0 = Without Centerbump
1 = With Centerbump

Package Style Options:
0 = Preassembled
3 = Bulk Pack

Contact Quantity:
See Table

3M™ IDC Ribbon Cable Socket
.T891XX-0XX1HK

Dimensions

<table>
<thead>
<tr>
<th>Contact</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>A [mm]</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>
</tr>
<tr>
<td>16</td>
<td>0.98 (24.9)</td>
</tr>
<tr>
<td>20</td>
<td>1.18 (30.0)</td>
</tr>
<tr>
<td>24</td>
<td>1.38 (35.1)</td>
</tr>
<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>
</tr>
<tr>
<td>36</td>
<td>1.98 (50.3)</td>
</tr>
<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 [mm] Tolerance Unless Noted

\( \pm.005 \)

\( \pm.005 \)

\( \pm.01 \)

Dimensions for Reference only

Material: Grey Polyester (PBT)

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