3M™ Mini D Ribbon (MDR) Connectors
.050" Solder Plug Connector - Shielded

101 Series

- Wiper-on-wiper contact for reliable repetitive plugging
- Solder cup termination requires no special tooling
- Accepts a wide variety of discrete wire (24 to 30 AWG) cable construction
- Contacts: 14, 20, 26, 36, 40 and 50
- RoHS* compliant version available

Physical

**Insulation Material:** Glass Reinforced Polyester (PCT)
- Flamability: UL 94V-0
- Color: Black

**Contact Material:** Copper Alloy (C521)

**Plating**
- Underplating: 80 µ" (2.0 µm) Nickel
- Wiping Area: Gold (see ordering information)
- Solder Area: Gold (RoHS compliant) or Tin-Lead (see ordering information)

**Shroud Material:** Steel
- Plating: Nickel

**Wire Accomodation:** 24, 26, 28 & 30 AWG

**Marking:** 3M Logo and Part Number

Electrical

**Current Rating:** 1 A
**Insulation Resistance:** > 1 × 10^8 Ω at 500 VDC
**Withstanding Voltage:** 500 Vrms for 1 minute

Environmental

**Temperature Rating:** -55°C TO +105°C
**Solder Process:** 360°C max for 10 sec. max


*RoHS compliant* means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080
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<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>20</td>
<td>.450 [ 11.43 ]</td>
</tr>
<tr>
<td>36</td>
<td>.850 [ 21.59 ]</td>
</tr>
</tbody>
</table>

#### Ordering Information

**101XX-3000-XX**

Contact Quantity (See Table)

- **P** = Gold flash solder cup (RoHS compliant)
- **V** = Tin-lead solder cup

**C** = 30µ" [76 µm] min gold wiping interface

**E** = 20µ" [5 µm] min gold wiping interface

Note: This solder plug connector must be used with only 3M Non-Shielded Shell Kits 103XX-52FO-008 Series and 103XX-52A0-008 Series.

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