.050” Mini D Ribbon (MDR) Connectors
IDC Wiremount Plug — Shielded
101XX-6000EC Series

- IDC wiremount shielded I/O plug connector
- MDR-digital LCD interface — 20 and 26 position
- IEEE 1284 interface — 36 position
- Ribbon type contact — industry preferred
- Reliable repetitive plugging/unplugging
- Accepts a wide variety of cable types including round, twisted pair, twinax, and flat cable
- Available with a variety of shielded junction shells
- Positions 14, 20, 26, 36, 40, 68, 80 and 100

Physical

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

**Contact**
- Material: Beryllium Copper (C172)
- Plating
  - Underplate: 80 μ" (2.0 μm) Nickel — QQ-N-290, Class 2
  - Wiping Area: 30 μ" (0.76 μm) Min Gold — MIL-G-45204, Type II, Grade C

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

**Wire Accommodation:** 28 AWG Stranded, 30 AWG Solid

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

Electrical

**Current Rating:** 1 A

**Insulation Resistance:** > 5 × 10^8 Ω at 500 VDC

**Withstanding Voltage:** 500 VRMS for 1 Minute

Environmental

**Temperature Rating:** -20°C to +85°C

UL File No.: E68080

For technical, sales or ordering information call 800-225-5373

3M Interconnect Solutions Division
6801 River Place Blvd.  
Austin, TX 78726-9000
.050” Mini D Ribbon (MDR) Connectors
IDC Wiremount Plug — Shielded

### 101XX-6000EC Series

#### Contact Quantity

<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>.300</td>
<td>.54</td>
<td>.72</td>
<td>.58</td>
</tr>
<tr>
<td></td>
<td>[7.62]</td>
<td>[13.8]</td>
<td>[18.2]</td>
<td>[14.7]</td>
</tr>
<tr>
<td>26</td>
<td>.600</td>
<td>.84</td>
<td>1.02</td>
<td>.88</td>
</tr>
<tr>
<td></td>
<td>[15.24]</td>
<td>[21.4]</td>
<td>[25.8]</td>
<td>[22.4]</td>
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<tr>
<td>50</td>
<td>1.200</td>
<td>1.44</td>
<td>1.62</td>
<td>1.48</td>
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<tr>
<td></td>
<td>[30.48]</td>
<td>[36.6]</td>
<td>[41.1]</td>
<td>[37.6]</td>
</tr>
</tbody>
</table>

#### Body (14, 26 and 50 positions)

- **Dimensions**
  - **A**: .025 [0.64]
  - **B**: .050 [1.27]
  - **C**: .126 [3.20]
  - **D**: .189 [4.80]

#### Cover Assembly

- **Cover 1**
  - **Dimensions**
    - D: .08 [2.0]
    - .26 [6.6]
    - .29 [7.4]
    - .13 [3.20]

- **Cover 2**
  - **Dimensions**
    - D: .30 [7.5]
    - .36 [9.1]
    - .26 [6.5]
    - .29 [7.3]

#### Notes:
1. Circle (○) position indicates #1 position in cable, when utilizing 0.025” pitch flat cable.
2. Triangle (△) position indicates #2 position in cable, when utilizing 0.025” pitch flat cable.

#### Ordering Information

**101XX-6000EC**

- **Contact Quantity**
  - (See Table)

**15°**

- **Inch**
  - mm

<table>
<thead>
<tr>
<th>Tolerance Unless Noted</th>
<th>±0.1</th>
<th>±0.01</th>
<th>±0.005</th>
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<tbody>
<tr>
<td>Inch</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

[Dimensions for Reference only]

(See page 3 for other sizes)
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<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>68</td>
<td>1.650 [41.91]</td>
<td>1.89 [48.1]</td>
<td>2.07 [52.5]</td>
<td>1.93 [49.0]</td>
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<tr>
<td>80</td>
<td>1.950 [49.53]</td>
<td>2.19 [54.8]</td>
<td>2.37 [60.1]</td>
<td>2.23 [56.7]</td>
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<tr>
<td>100</td>
<td>2.450 [62.23]</td>
<td>2.69 [67.5]</td>
<td>2.87 [72.8]</td>
<td>2.73 [69.4]</td>
</tr>
</tbody>
</table>

**Body (20, 36, 40, 68, 80 and 100 positions)**

Notes:
1. Circle (○) position indicates #1 position in cable, when utilizing 0.025” pitch flat cable.
2. Triangle (△) position indicates #2 position in cable, when utilizing 0.025” pitch flat cable.

**Ordering Information**

101XX-6000EC
Contact Quantity
(See Table)
Note: 100 pos = A0