.050” Mini D Ribbon (MDR) Connectors
Solder Plug Connector — Shielded

101XX-3000VE Series

- Solder plug shielded I/O connector
- Accepts wide variety of discrete wire cable types AWG 24–30
- Soldering wire contact cup requires no special tooling
- Ribbon type contact: industry preferred
- Reliable repetitive plugging/unplugging
- Positions: 14, 20, 26, 36, 40 and 50

Date Modified: February 19, 1999

Physical

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

**Contact**
- Material: Copper Alloy (C521)
- Plating:
  - Underplate: 80 μ” (2.0 μm) Nickel — QQ-N-290, Class 2
  - Wiping Area: 20 μ” (0.51 μm) Min Gold — MIL-G-45204, Type II, Grade C
  - Solder Area: Tin-Lead

**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:** > 5 × 10^8Ω 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

UL File No.: E68080
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### Dimensions

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### Ordering Information

**101XX-3000VE**

**Contact Quantity (See Table)**

**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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Austin, TX 78726-9000

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