.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

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Physical

Insulation

Material: Glass Reinforced Polyester (PCT)

Flammability: UL 94V-0 Color: Black

Contact

Material: Copper Alloy (C521)

Plating

Underplate: $80 \mu'' (2.0 \mu m)$ 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: $> 5 \times 10^8 \Omega$ 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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