3M™ Mini D Ribbon (MDR) Connectors

.050" Boardmount Thru-Hole Right Angle Receptacle-Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- SMT compatible PCT insulator material
- Screw or ground lock for reliable PCB retention
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- Contacts: 14, 20, 26, 36, 40, 50, 68, 80 and 100
- RoHS* compliant version (-PC plating suffix) available

Date Modified: April 5, 2005

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Physical

Insulation

Material: Glass Reinforced Polyester (PCT)

Flammability: UL 94V-0 Color: Beige

Contact

Material: Copper Alloy (C521)

Plating

Underplating: 80 μ" (2.0 μm) Nickel - QQ-N-290, Class 2

Wiping Area: $30 \mu''$ (0.76 μ m) Min Gold - MIL-G-45204, Type II, Grade C

Solder Tail Plating: See ordering information

Body

Material: Zinc Alloy Plating: Nickel

Shroud & Latch Hook

Material: Steel Plating: Nickel

Marking: 3M Logo & 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

Process Rating: Reflow solder process compatible up to 240-250°C for 10 sec.

UL File No.: E68080 *RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronicc Equipment.

3M

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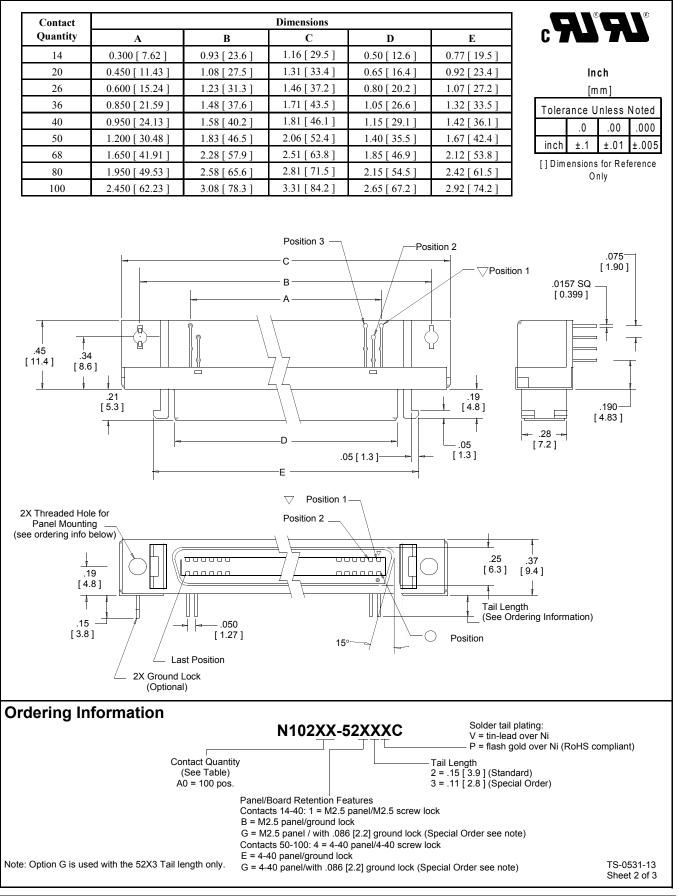
Interconnect Solutions
http://www.3M.com/interconnects/

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

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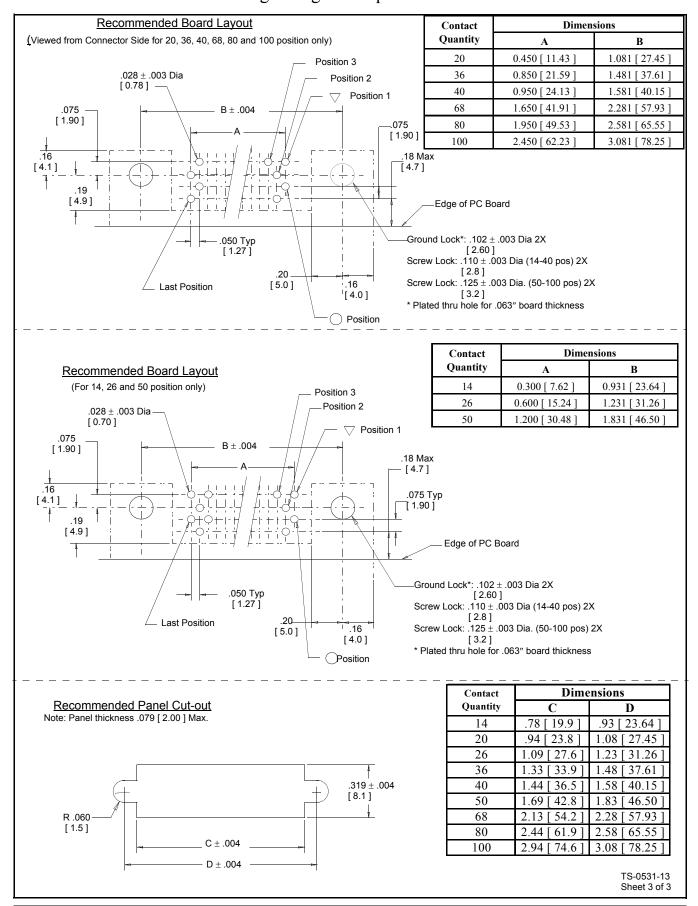


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