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

Date Modified:May 30, 2003

TS-0531-11 Sheet 1 of 3

Physical

Insulation

Material: Glass Reinforced Polyester (PCT)

Flammability: UL 94V-0 Color: Beige

Contact

Material: Copper Alloy (C521)

Plating

Underplating: 80 μ'' (2.0 μ m) Nickel — QQ-N-290, Class 2

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

Body

Material: Zinc Alloy Plating: Nickel

Shroud & Latch Hook

Material: Steel Plating: Nickel

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

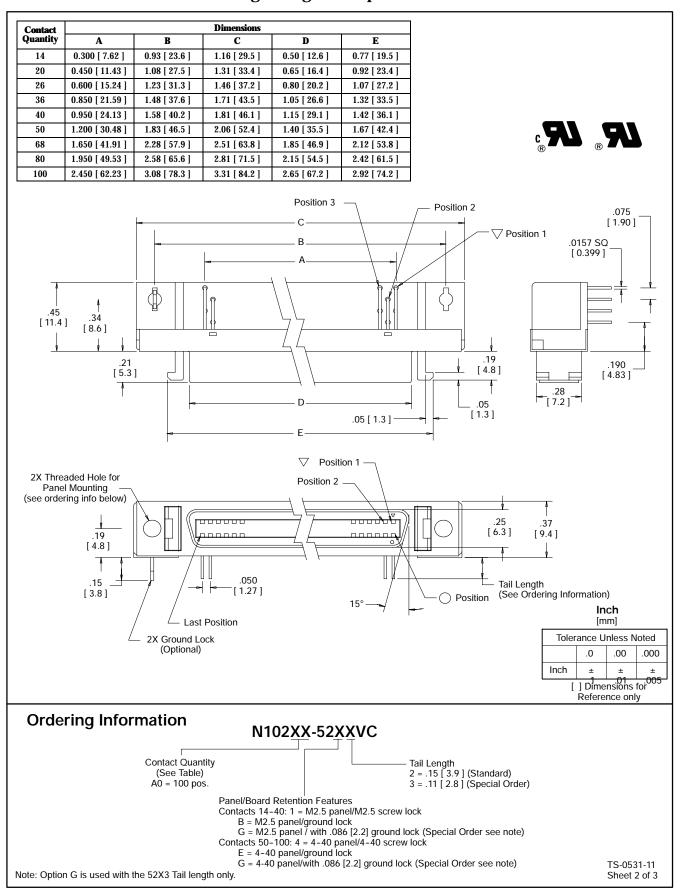
Environmental

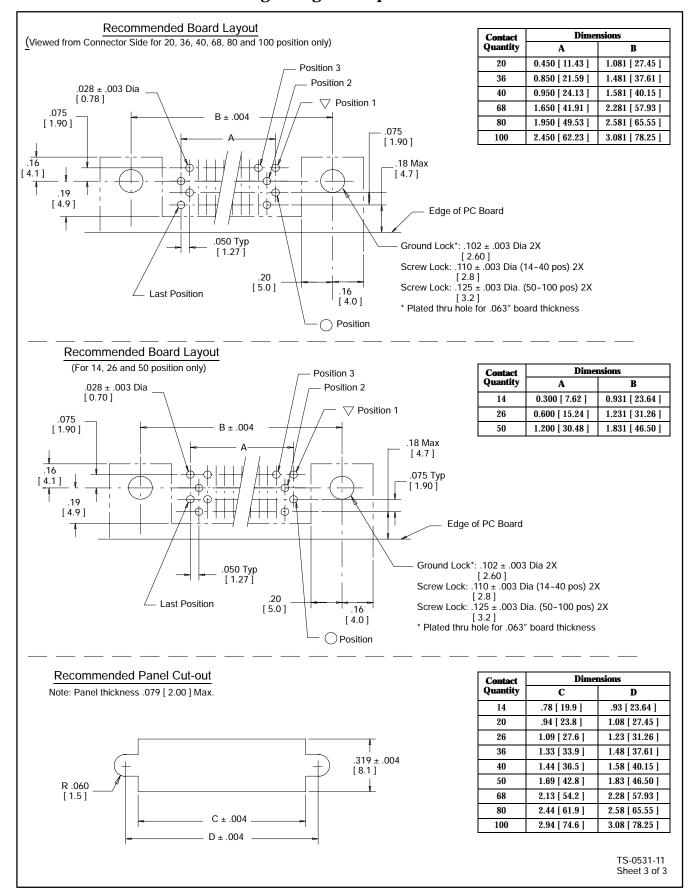
Temperature Rating: -55° C to $+105^{\circ}$ C

Process Rating: Surface mount compatible up to 240°C peak for short durations.

UL File No.: E68060

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