## 3M<sup>™</sup> Mini D Ribbon (MDR) Connectors

.050" Boardmount Thru-Hole Vertical Receptacle - Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Screw lockdown 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

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Insulation	
Material:	Glass Reinforced Polyester (PBT)
Flammability:	UL 94V-0
Color:	Black
Contact	
Material:	Copper Alloy (C521)
Plating	
Underplating:	80 μ" (2.0 μm) Nickel - QQ-N-290, Class 2
Wiping Area:	30 $\mu^{\prime\prime}$ (0.76 $\mu m)$ Min Gold - MIL-G-45204, Type II, Grade C
Solder Tails:	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 AInsulation Resistance: $> 5 \times 10^8 \Omega$  at 500 VDCWithstanding Voltage:500 Vrms for 1 Minute

### **Environmental**

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

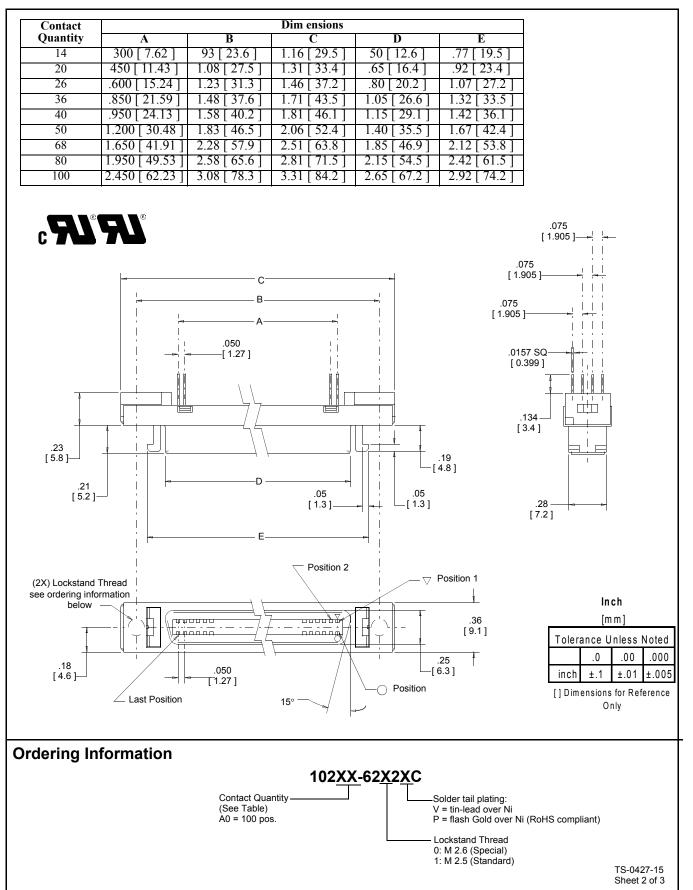
UL File No.: E68080

\*RoHS = Directive 2002/95/EC, Reduction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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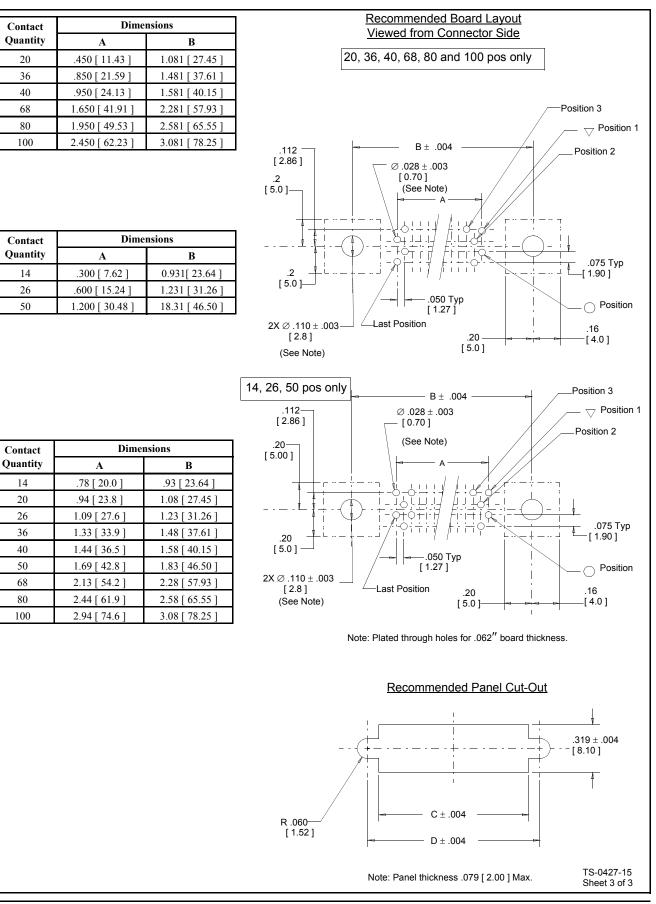
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