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

.050" Surface Mount Right Angle Die-Cast Receptacle – Shielded

102 Series



- Rugged die-cast body resists tipping during automated soldering operations
- Wiper-on-wiper contact for reliable repetitive plugging
- Ultra-low signal skew for high data rate transmission
- Interface latch design for connection stability
- Suitable for thumbscrew attach (see TS-0142 for available hardware)
- MDR digital LCD interface as a 20 or 26 contact connector
- Camera Link® interface as a 26 contact connector
- Contacts: 14, 20, 26, 40 and 50
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information

Date Modified: October 27, 2010

TS-2242-B Sheet 1 of 3

### **Physical**

Body Material: Glass Reinforced Polyester (PCT), Natural Color

Flammability: UL 94V-0

Alignment Plate Material: LCP, Natural Color

Flammability: UL 94V-0

Contact Material: Copper Alloy

Underplating: 80 µ" [2 µm] Nickel

Wiping Area Plating: See Ordering Information

Solder Tail Plating: Flash Gold over Nickel (RIA E1 & C1 apply)

**Shroud Material:** Steel

Plating: Nickel

Lock Stand Material: Zinc Alloy
Plating: Nickel

### **Electrical**

**Current Rating:** 1 A

**Insulation Resistance:** >5 x  $10^8 \Omega$  at  $500 V_{DC}$ **Withstanding Voltage:**  $500 V_{mms}$  for 1 minute

### **Environmental**

**Temperature Rating:** -55 °C to +85 °C

**Process Rating:** 240°C-250°C peak temperature for less than 10 secs., 220°C soldering for 30 – 60 secs. after

150°C - 180°C preheat for 90 –120 secs. (reflow two times)

UL File No.: E68080 Camera Link® is a trademark of Automated Imaging Assocition

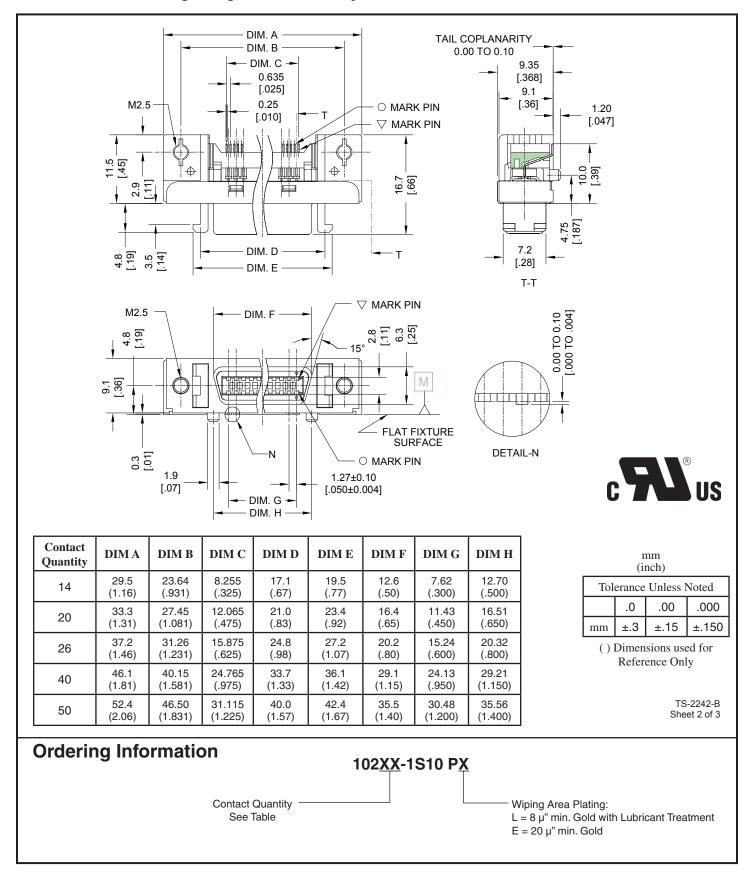
Interconnect Solutions
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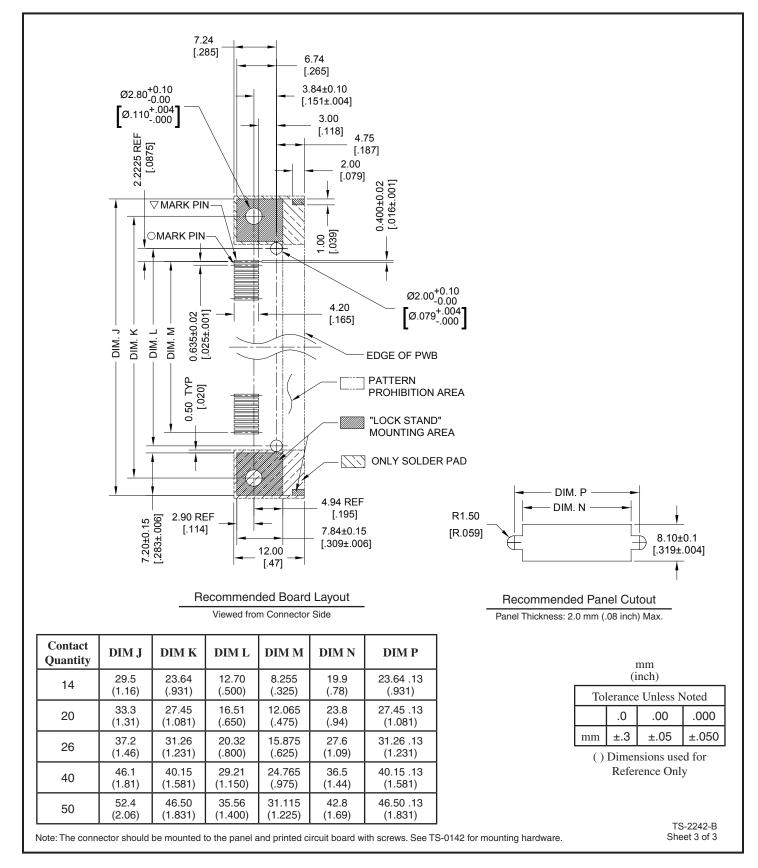
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