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

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



- 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

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## **Physical**

Body Material:	Glass Reinforced Polyester (PCT), Natural Color
Flammability:	UL 94V-0
Alignment Plate Material:	LCP, Natural Color
Flammability:	UL 94V-0
<b>Contact Material:</b>	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**

<b>Current Rating:</b>	1 A
<b>Insulation Resistance:</b>	>5 x 10 <sup>8</sup> $\Omega$ at 500 V <sub>DC</sub>
Withstanding Voltage:	$500 V_{rms}$ for 1 minute

## **Environmental**

<b>Temperature Rating:</b>	-55 °C to +85 °C
<b>Process Rating:</b>	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

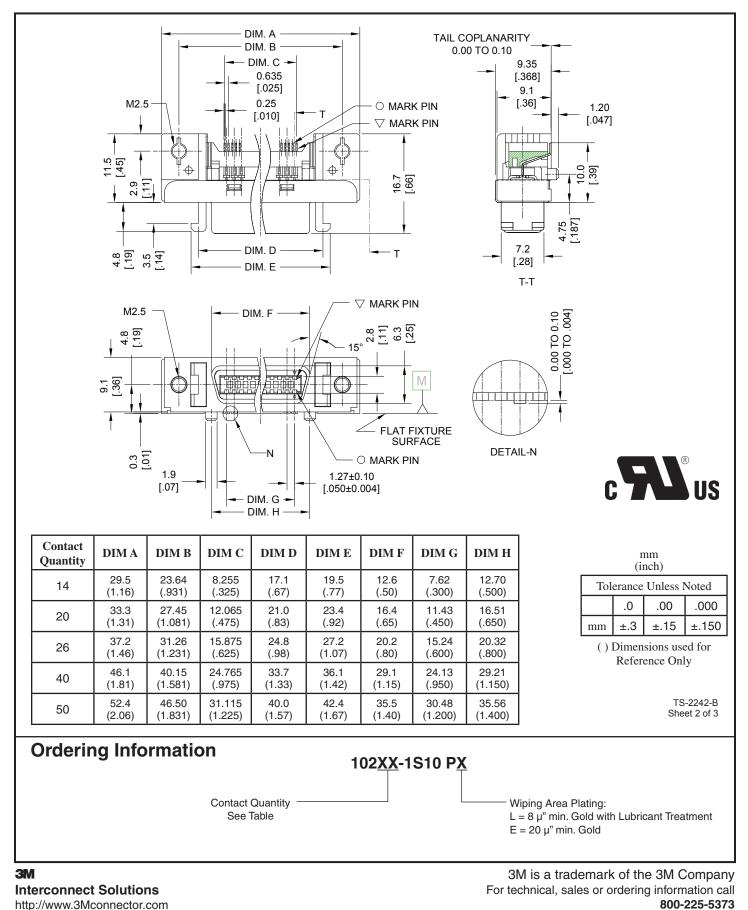
Camera Link® is a trademark of Automated Imaging Assocition

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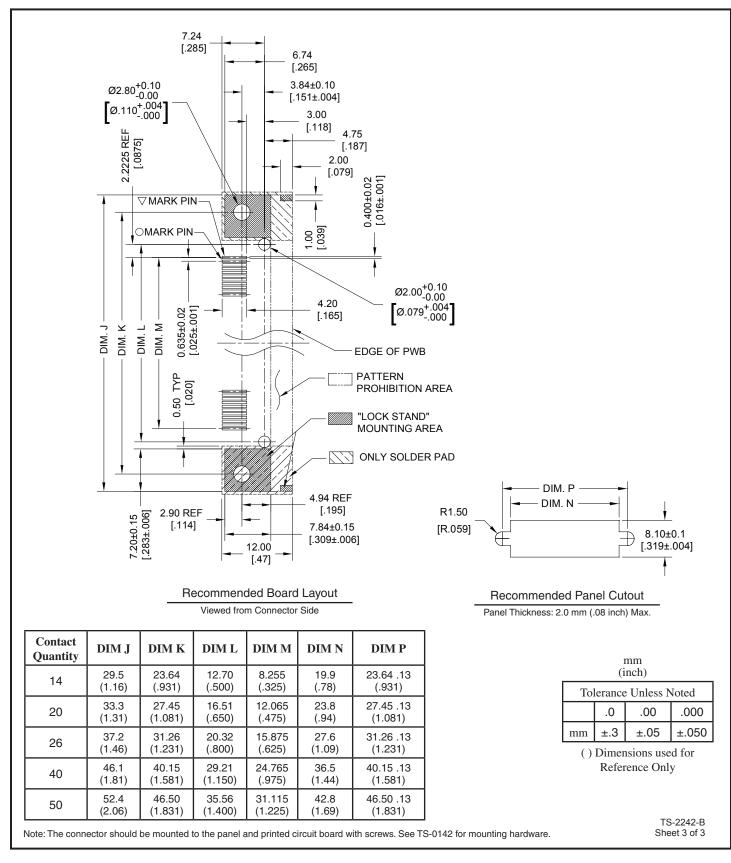
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102 Series



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