3M[™] 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: $>5 \times 10^8 \Omega$ at 500 V_{DC} Withstanding Voltage: 500 V_{rms} 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

3M

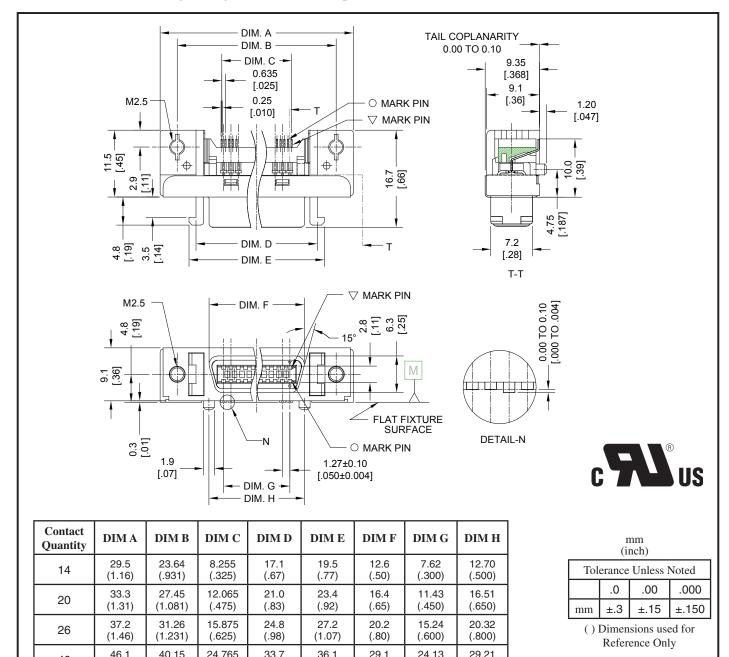
Interconnect Solutions
http://www.3Mconnector.com

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Ordering Information

(1.81)

52.4

(2.06)

(1.581)

46.50

(1.831)

(.975)

31.115

(1.225)

Contact Quantity

See Table

(1.33)

40.0

(1.57)

(1.42)

42.4

(1.67)

(1.15)

35.5

(1.40)

(.950)

30.48

(1.200)

102XX-1S10 PX Wiping Area Plating: $L = 8 \mu$ " min. Gold with Lubricant Treatment $E = 20 \mu$ " min. Gold

(1.150)

35.56

(1.400)

40

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TS-2242-B Sheet 2 of 3

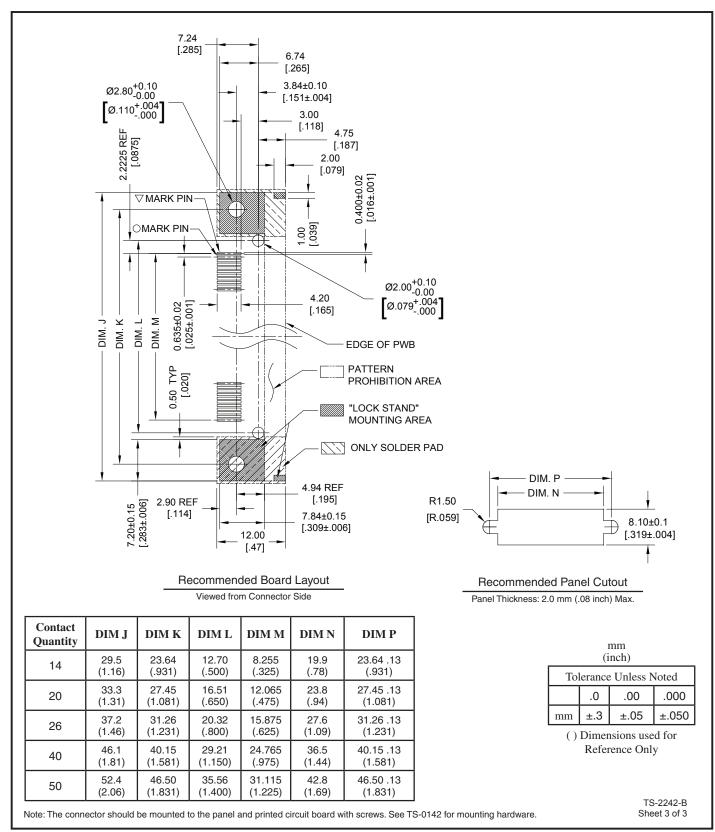
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Electronic Component Distributor. Source::3M

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