3M[™] 4-Wall, Tripolarized Header

.050" × .100" Latch/Ejector, Right Angle, 4 Rows of Solder Tails

810 Series



- · Tripolarization to mating socket
- 50 mil × 100 mil halves the connector length
- Latch and eject for rugged high performance applications
- 4 row tail design
- High temperature plastic
- · Four-wall shroud provides contact protection
- Contacts: 20, 26, 36, 40, 50, 60, 68, 80 and 100
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information

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Physical

Insulator:

Material: High Temperature Plastic (LCP)

Flammability: UL 94V-0

Color: Black (RB Plating only) or Natural

Contact:

Material: Copper Alloy

Plating:

Underplating: 100 µ" [2.54 mm] Nickel Wiping Area: 30 µ" [0.76 mm] Gold Solder Tails: See Ordering Information

Terminal Finish Indicator: e3 (ref JESD97)

Marking: 3M Logo, Part Number and Orientation Triangle

Electrical

Current Rating: 0.5 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at $500 V_{DC}$ **Withstanding Voltage:** $500 V_{RMS}$ at Sea Level

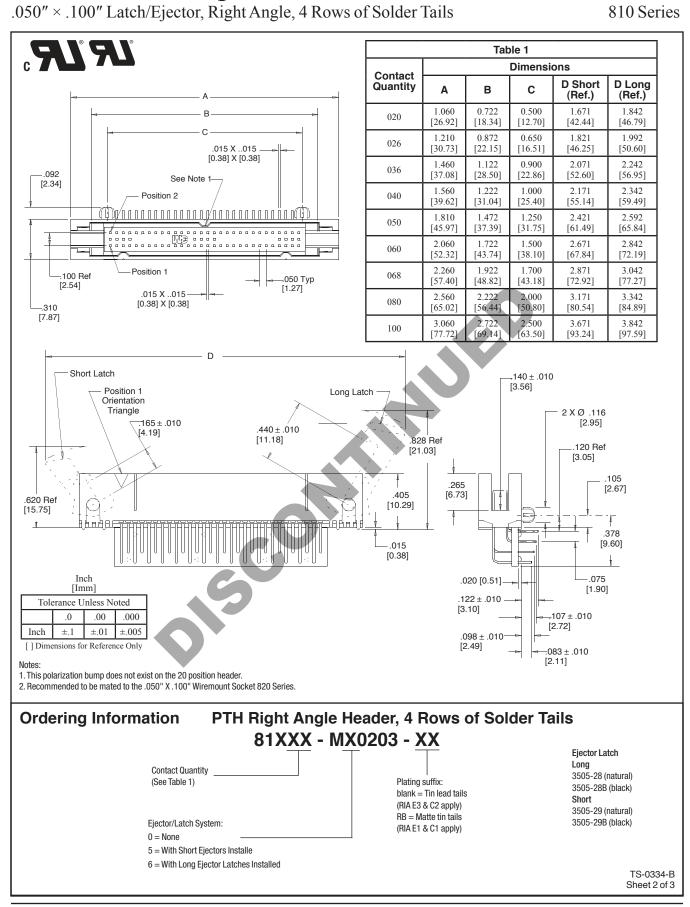
Environmental

Operating Temperature Rating: -55°C to +105°C

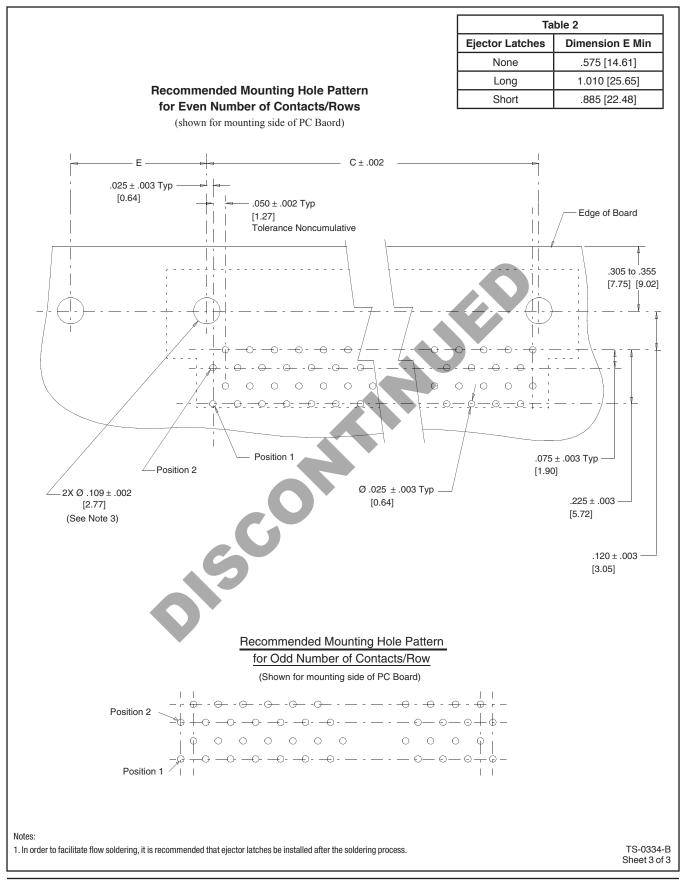
Process Rating: Maximum 260°C (Profile per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080



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