



3M™ Latch/Eject Headers Enable Robust System Solution for 2 mm Wire-to-Board Applications

3M now offers a 2 mm pitch latch/eject header for mating with other IDC connectors. The latch/ejectors maintain a secure connection to the cable assembly during operation, but also allow for easy removal of the harness when needed. To increase the reliability of the system, 3M uses roll pins to attach the latches instead of a snap-in system. This feature helps increase the retention of the latches to the body in high vibration applications and during shipping through the supply chain to your customer. The latch and body design of this header reduces the probability of the latches breaking when ejecting the mating assembly.

The 3M Latch/Eject Header, 2 mm family features 14 available pin counts from 6-50 positions, allowing for design flexibility across applications. The connector bodies feature a cutout to accommodate mating connectors with center bump polarization and are made from PCT resins, allowing for high temperature processing in lead-free environments up to 260°C (JEDEC J-STD-020C). The family offers RoHS compliant* straight and right angle plated through-hole tails for boards up to .125" thickness. A vertical surfacemount tail option is also available in tray or tape and reel packaging with a vacuum cap.

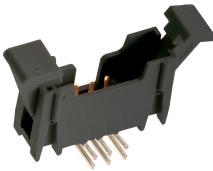
Please see the tech sheets listed below for 3M Latch/ Eject Headers & mating parts.

| 3M™ Wiremount Products | 3M Tech Sheet | Pin Count | | | | | | | | | | | | | |
|--------------------------------|---------------|-----------|---|----|----|----|----|----|----|----|----|----|----|----|----|
| | | 6 | 8 | 10 | 12 | 16 | 20 | 22 | 24 | 26 | 30 | 34 | 40 | 44 | 50 |
| Series 1522 IDC Sockets | TS-0523 | | | X | X | | X | | | X | | | X | X | X |
| Series 2M Molded Assemblies* | TS-2150 | X | X | X | | X | X | X | X | X | X | X | X | X | X |
| 3M™ Boardmount Products | | | | | | | | | | | | | | | |
| Series 1552 Latch/Eject Header | TS-2199 | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

*Series 2M molded socket assemblies with latching ear option



3M™ Latch/Eject Header, 2 mm, Vertical, Surfacemount



3M™ Latch/Eject Header, 2 mm, Right Angle, Through-Hole

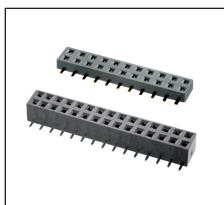
Technical Information

- 14 available pin counts, ranging from 6-50 positions
- Latch/eject mechanism maintains a secure connection
- Roll pins retain latches to body in shipping and high vibration environments
- Ejector makes removal of assemblies easy
- Latch design (patent pending) to resist breakage during eject
- Vertical and right angle through hole tail options for boards up to .125 inch thickness
- Vertical surfacemount tail with an optional vacuum cap and EIA standard tape and reel packaging
- Center bump polarization feature
- Meets EU RoHS* compliance and meets China RoHS marking standard
- High temperature insulators for lead free processing to JEDEC J-STD-020C
- Robust system solution when used with 3M IDC sockets or molded assemblies (with latching ear option)

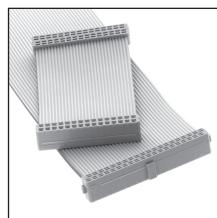


Other 2 mm Solutions From 3M

3M™ Board Stacking Connectors



3M™ Molded Cable Assemblies



3M™ IDC Wiremount Socket



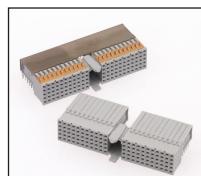
3M™ Flat Cable, 1mm Pitch



3M™ Shielded Controlled Impedance (SCI) Cable Assemblies



3M™ Futurebus® (Standard and Inverse), CompactPCI®, Hard Metric, High Speed Hard Metric Backplane Connectors



**RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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