

3M™ Header and Accessories for CFast™ Cards

A new family of 3M Headers for CFast Cards is now available. These headers interface to the new CFast high performance serial flash memory cards. CFast is the latest standard issued by the Compact Flash Association and incorporates Serial ATA (SATA) performance into the established Compact Flash form factor.

3M boardmount headers for CFast cards are available in a low profile configuration, or with optional 2 mm standoffs. Using the standoffs, a system designer can populate the board underneath an inserted card, maximizing board space utilization. The headers have incorporated extended guide rails that reduce the possibility of misalignment during card installation.

The 3M Header N7G24 Series meets the CFA CFast Specification Rev 1.0, including the 10,000 mating cycles and 3 Gbps data rate performance.

Other product features include integrated grounding clips and SMT tails aligned in a single row for higher manufacturing yield and simplified inspection.

Similar to the popular 3M™ CF Card Headers, Type II product line, the optional push button ejectors have a dual-push configuration. These ejectors deliver two points of force against the card. The dual-push provides more stability, reducing the chance for the card to rotate and bind during ejection, delivering a more even and smooth card removal.

In addition to the ejectors, the 3M headers for CFast cards have the option of a latching retainer. This accessory provides a wire latch that captures a mated card firmly, making it ideal for high vibration environments or applications where securing the card is critical. The latching retainer may not be used in combination with the ejectors. This same latching retainer will fit on existing 3M CFII headers, N7E50-M516 and N7E50-N516 Series.

**RoHS Compliant 2002/95/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.



3M™ Connector for CFast™ Card



3M™ Ejector for CFast™ Card

Technical Information

- CFast is a new CompactFlash Association (CFA) standard evolved from the familiar CompactFlash® Card format incorporating the Serial Advanced Technology Attachment (SATA) architecture
- 3M Headers for CFast Cards meet CFA CFast specification Rev 1.0
- 2 mm standoff available for component clearance underneath header
- Extended guide rails with grounding clips
- Right or left hand dual-push ejectors or latching retainer
- Tested to 10,000 mating cycles
- EU RoHS Compliant* and labeled pursuant to China RoHS marking standard SJ/T 11364-2006

3M™ Headers and Accessories for CFast™ Cards

Product Features

Features	Advantages	Benefits
Long guide rails	Provides a long guided pathway for CFast card	Helps prevent card from tilting before mating with the connector
Elevated height (2 mm)	Save PCB real estate for populated PCB board	Saves board size and cost effective
Integral twin side solder tabs with four spring arms	Redundant grounding and card retention	Provides grounding to the CFast card when mated to connector. Provides additional retention force to the card and reduces the possibility of card releasing too quickly from connector when ejected.
High durability	10,000 cycles	Long product life
Optional ejector/retainer system	Easy snap on assembly process	Helps reduce assembly time and cost effective

Product Ordering Information

3M Part Number	Configuration
N7G24-A0B2RA-00-OHT	3M Connector for CFast Card, *SMT, no standoff
N7G24-A0B2RA-10-OHT	3M Connector for CFast Card, SMT, 2 mm standoff
N7G24-A0B2RB-00-OHT	3M Connector for CFast Card, SMT, No Standoff, 30 μ" AU Tray
N7G24-A0B2RB-10-OHT	3M Connector for CFast Card, SMT, 2 mm Standoff, 30 μ" AU Tray
7G24-B5A6-05	3M Right Button Dual Push Ejector for CFast Card
7G24-B6A6-05	3M Left Button Dual Push Ejector for CFast Card
7E50-C016-00-HT	3M™ Latching Retainer

Sales Support Materials

Configuration	Tech Sheet
Connector for CFast Card, with and without standoff	TS-2329
Dual Push Ejector for CFast Card Connector, right and left button	TS-2330
Latching Retainer	TS-2154

*SMT = Surface Mount

3D models are available at www.3Mconnector.com.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

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