

PCI EXPRESS® M.2 CONNECTOR

HIGH PERFORMANCE SMALL CARD CONNECTOR

AFCI's PCI Express® (PCIe) M.2 occupies less board space, offers more connector height options and supports higher data rates than PCIe® Mini Card connector. This makes it an ideal option for tablets, laptops and low profile storage/server applications.

- Provides 67 contacts on 0.5mm pitch
- Various connector height and keying options
- Accepts angled insertion of add-in module cards
- Supports PCIe® 3.0, USB 3.0 and SATA 3.0 applications
- Compliant with PCI-SIG PCIe M.2 specification



FEATURES

- 75 positions; 8 positions are used for connector key
- 0.5mm pitch
- Various connector height options
- Supports both single and double-sided modules
- Compliant with PCIe 3.0, USB 3.0 and SATA 3.0

BENEFITS

- Occupies less PCB board space
- Flexible to meet various design needs
- Reduces overall height profile
- Supports higher data rates transmission

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, UL 94 V-0
- Contact: Copper Alloy
- Peg: Copper Alloy
- Plating: Gold over Nickel

ENVIRONMENTAL

- Operating Temperature: -40°C to +80°C
- Humidity Range: 10 to 80 RH

MECHANICAL PERFORMANCE

- Durability: 25 to 60 mating cycles

PACKAGING

- Tape and Reel

ELECTRICAL PERFORMANCE

- Current Rating: 0.5A DC
- Voltage Rating: 50V AC

SPECIFICATIONS

- GS-12-1142
- GS-12-1195
- GS-12-1248

TARGET MARKETS/APPLICATIONS



Laptop
Ultra-book
Tablets
Desktop



Server
Solid State Drive (SSD)

PART NUMBERS

Pitch (mm)	Height (mm)	Connector Key	Part Numbers
0.5	3.2	Key A	10128786
0.5	3.2	Key B	10128787
0.5	3.2	Key E	10128788
0.5	3.2	Key M	10130618
0.5	4.2	Key A	10128792
0.5	4.2	Key B	10128793
0.5	4.2	Key E	10128794
0.5	4.2	Key M	10130616
0.5	5.5	Key M	10128798
0.5	8.5	Key B	10128796
0.5	8.5	Key E	10128797
0.5	8.5	Key M	10131758

Disclaimer

Please note that the above information is subject to change without notice.