



M.2 NGFF Gen 5 Connector PCIe® High-density Solution



HIGH-SPEED DATA TRANSMISSION THAT SUPPORTS
PCI EXPRESS 5.0, SATA 3.0 AND USB 3.0

M.2 Gen5 connector, also known as the Next Generation Form Factor (NGFF) is originally designed for the ultra-thin products. Its compact size could save over 20% of PCB design space compare with mini PCIe connector. M.2 Gen5 connector applies to high-speed data transmission that supports PCI Express 5.0, SATA 3.0 and USB 3.0.

Standard	M.2 Gen3	M.2 Gen4	M.2 Gen5
Speed	8 GT/s	16 GT/s	32 GT/s

100% Up

APPLICATION

- SSD Storage
- WiFi Module
- NAS



- Router
- IPC
- Servers



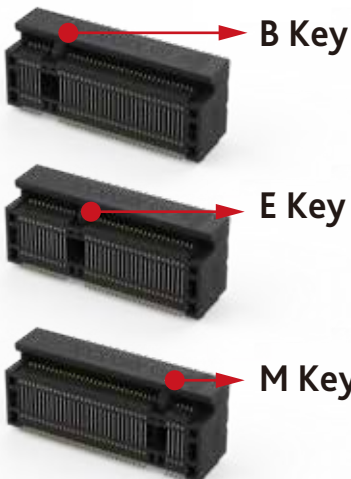
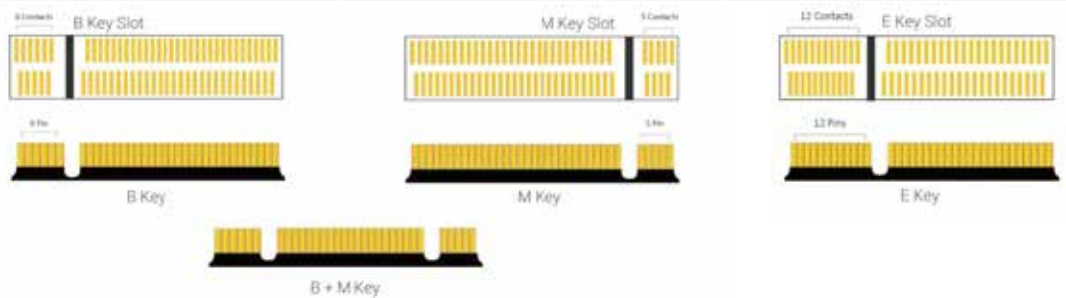


FEATURE



Type	B Key	M Key	E Key
Module Card Type	3042,2230,2242,2260,2280,2210	2242,2260,2280,2210	1630,2230,3030
Applications	SSD or WWAN + GNSS (2G GSM, GPRS, 3G, CDMA, WLAN, WWLAN, HSPA MODEM, GPS, 4G WiMAX)	SSD devices and Host I/Fs supported are PCIe with up to four lanes or SATA	Wireless Connectivity devices including combinations of Wi-Fi, BT, NFC, and/or GNSS

Slot Key Variations



Part Number	Description
<u>123A-42B02</u>	M.2 Gen5 Socket, H4.2 B Key 0.5 Pitch G/F, Black
<u>123A-42E02</u>	M.2 Gen5 Socket, H4.2 E Key 0.5 Pitch G/F, Black
<u>123A-42M02</u>	M.2 Gen5 Socket, H4.2 M Key 0.5 Pitch G/F, Black
<u>123A-85B02</u>	M.2 Gen5 Socket, H8.5 B Key 0.5 Pitch G/F, Black
<u>123A-85E02</u>	M.2 Gen5 Socket, H8.5 E Key 0.5 Pitch G/F, Black
<u>123A-85M02</u>	M.2 Gen5 Socket, H8.5 M Key 0.5 Pitch G/F, Black

