



Series 6411 for PCI Express® M.2 Connector

SPECIFICATION

- No. of Positions: 67 pin
- Pitch: 0.5mm
- Height: 1.80mm max (M1.8 type), 2.25mm max (H2.3 type), 3.20mm max (H3.2 type)
- Rated Current: AC/DC 0.4A
- Rated Voltage: AC/DC 50V
- Withstanding Voltage: AC 300Vrms/min.

APPLICATION & MARKETS

The 6411 Series are connectors compatible with the PCI-SIG, PCI Express® M.2 specifications. Conventionally, different modules and connectors have been required to enhance each function of Wi-Fi, Bluetooth®, SSD, Global Navigation Satellite Systems (GNSS), Near Field Communication (NFC), WiGig and WWAN (2G, 3G and 4G). The PCI Express® M.2 specification supports multiple modules utilizing the same slot designed for each key. It corresponds to high-speed transmission such as PCIe (Gen.3), USB3.0, SATA3.0 and contributes to thinner and lighter notebook PCs and mobile PCs such as Ultrabook and tablet PCs. The 6411 Series are available in various heights and with different keying options for module cards.

PRODUCT OPTIONS

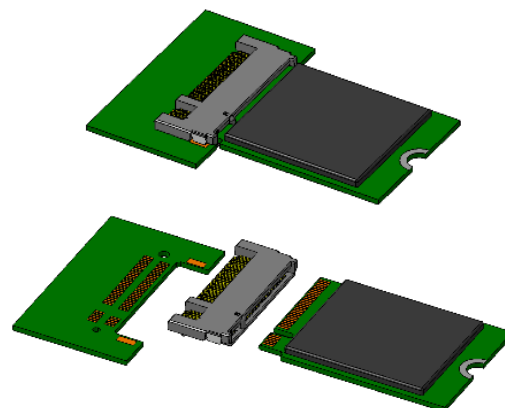
- Various heights are available in both single and double-sided modules. Furthermore, midplane types featuring very low profiles are available, achieved by cutting into the printed circuit boards
- Working efficiency is improved by allowing angled insertion and removal from 0 to 15 degrees relative to the printed circuit board.
- Various keying options for module cards are available: A, B, C, D, E, F, G, H, J, K, L & M.
- Packaged in tape and reel
- RoHS compliant & Halogen-free
- Contact Material: Copper alloy
- Insulator Material: Heat-resistant plastic
- Operating Temperature Range: -40 to +80° C

QUESTIONS/HELP: E-Mail us... ked@avx.com
Our URL... <http://avx.com>

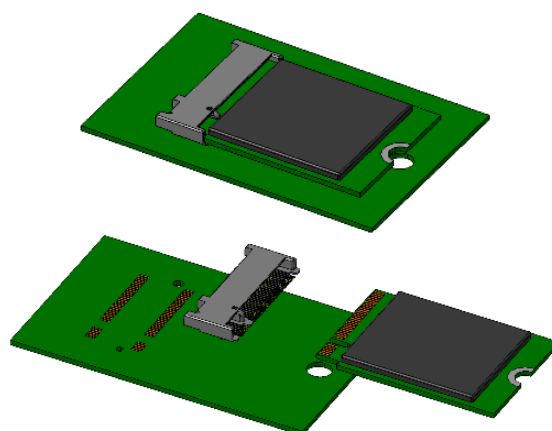
■ Specification

Pitch	0.50mm
Height	1.8mm, 2.3mm, 3.2mm
No. of pin counts	67
Contact location	Dual
Current rating	0.4A/contact
Voltage rating	50V/contact
Differential TDR impedance	$85\Omega \pm 10\%$ (Tr. 50ps)
Operation Temp.	-40 to +80 deg. C
Mating durability	60 times
Shock	285G
Compliance	RoHS + Halogen Free

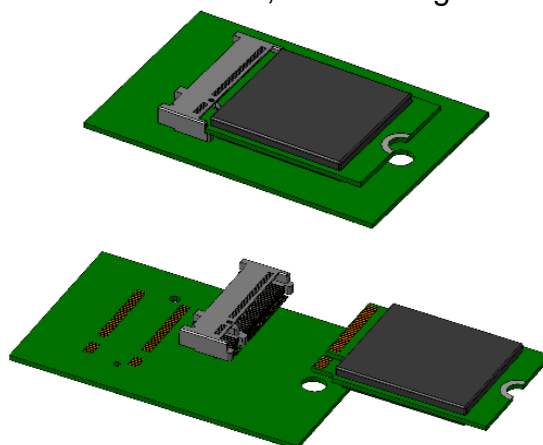
M1.8: Mid-plane, 1.8mm height max



H2.3: Single-sided, 2.3mm height max



H3.2: Double-sided, 3.2mm height max



■ Key Features / Benefits:

- M.2 is the new form factor which is invented for PCI-SIG by Intel.
- Multiple functions such as Wi-Fi, Bluetooth®, SSD etc. are covered on one card (which is a multi-function card) and it supports high-speed signal-integrity such as PCIe3.0, USB3.0 and SATA3.0.
- The M.2 connector supports various heights and “keying” for each card type.