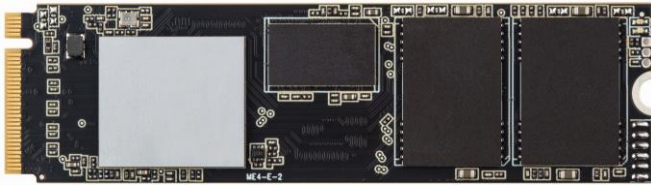


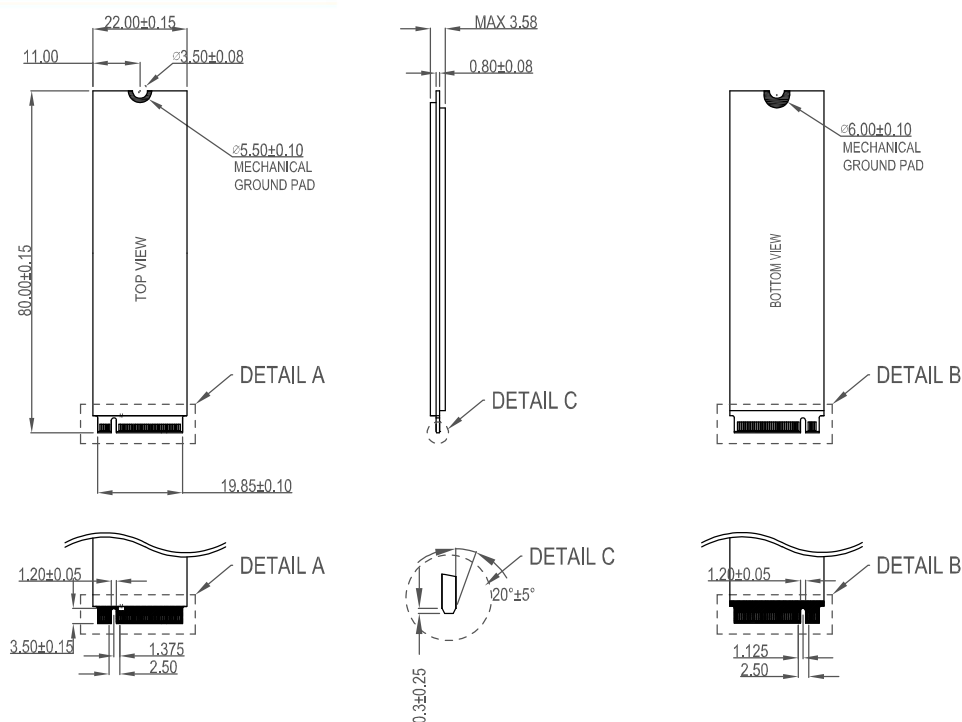
M.2 PCIe



MemxPro M.2 PCIe is a PCI-Express flash module with innovative 3D NAND flash. Taking advantage of PCI-Express 3.0 x4 32Gb/s interface and the new NVMe protocol, M.2 PCIe greatly enhances computing performance and responsiveness on application launch speed and file loading time for servers and heavy users of computer games. In a small M.2 (2280) form factor, M.2 PCIe is ideal to operate with space constraints for host computing systems.

- Compliant with M.2 (NGFF) standard of 22mm wide by 80mm long (2280).
- PCIe 3.0 x4 lanes with NVMe 1.2 protocol for superior read/write performance.
- Innovative 3D MLC NAND flash technology in standard temperature range.
- 30 μ m gold finger thickness customizable designs for industrial features.
- Global wear leveling, bad block management with built-in ECC.
- SMARTPro device monitoring tool or SDK library support.

Unit: mm



Product Model	M.2 PCIe A4E
Interface	PCIe Gen 3 X 4
Form Factor	M.2 PCIe (2280)
Flash Type	3D MLC
Max. Channel	8
Density	128GB
Sequential R/W (MB/sec, max.)	974/497
Operating Temperature	0°C~+70°C
Max. Power Consumption	4.39W (3.3Vx1330mA)
Dimension (LxWxH/mm)	22x80x3.5
Operating Voltage	3.3V±5%
Storage Temperature	-55°C~+85°C
External DRAM Buffer	V
Thermal Sensor	V
S.M.A.R.T.	V
TRIM	V
Vibration	20G (7~2KHz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

MemxPro Inc.

Tel : 886- 2-8978-8997 Fax : 886-2-3393-0516 E-mail: info@memxpro.com

Address: 4F., No.32, Xiwei St., Sanchong Dist., New Taipei City, 24155, TAIWAN(R.O.C.)