

MemxPro M.2 2280 PCIe PM31 Series

High Speed PCIe Gen3 x4 & 3D MLC



Features

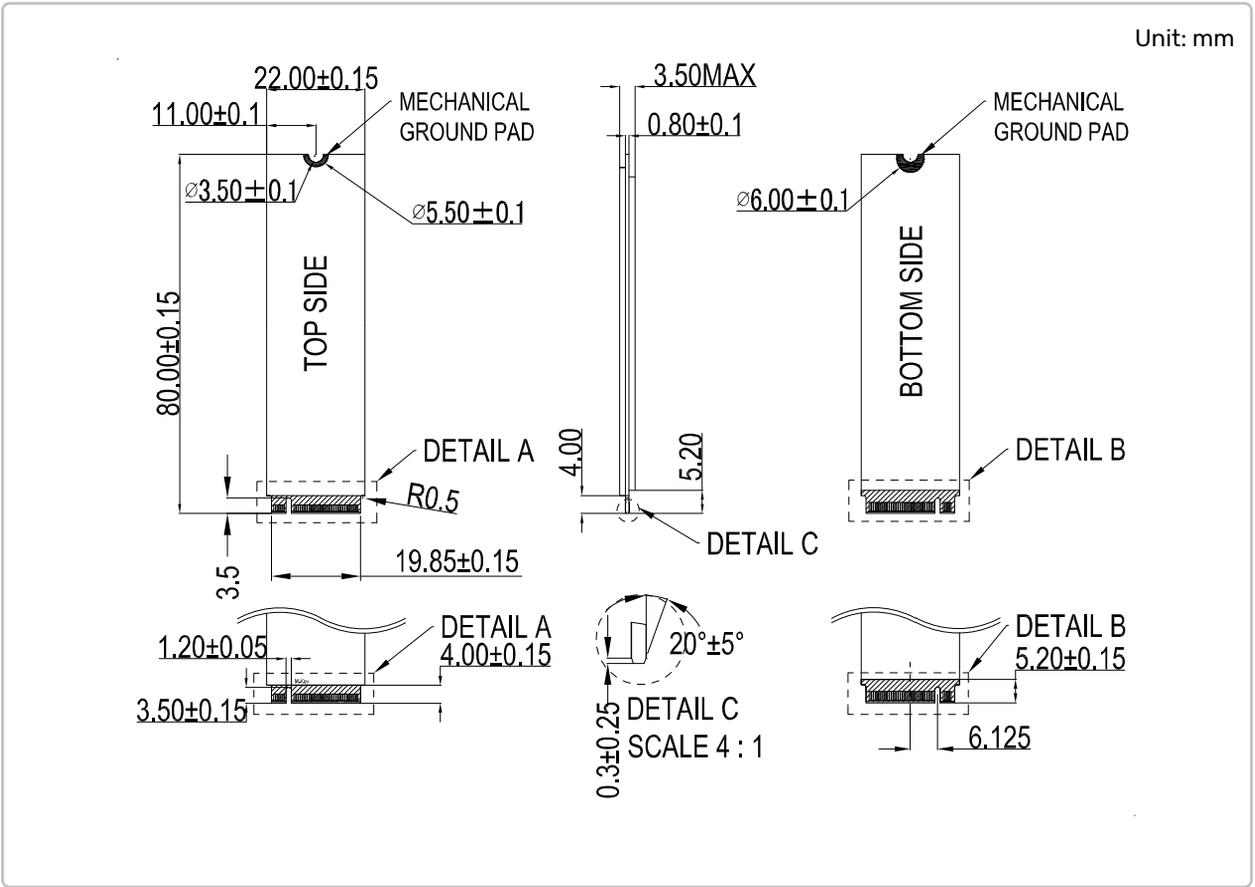
- M.2 (NGFF) standard of 22mm wide, 80mm long
- High-performance PCIe 3.0 x4 NVMe interface
- Commercial/extended/wide temp. solutions
- Built-in LDPC engine
- mSMART storage device monitoring

Specification

Product Model	M.2 2280 PCIe PM31
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/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	5.28W (3.3Vx1600mA)
Dimension (L x W x H/mm)	22x80x3.5
Operating Voltage	3.3V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	✓
Thermal Sensor	✓
DEVSLP Mode	N/A
ATA Security	N/A
S.M.A.R.T.	N/A
TRIM	N/A
Vibration	20G (7~2KHz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

Dimensions

Unit: mm



Ordering Information

Capacity	Commercial (0°C~70°C)	Extended (-25°C~+85°C)	Industrial (-40°C~+85°C)
128GB	FP28P-A2GMMS604C2	FP28P-A2GMMS604E2	FP28P-A2GMMS604W2