

MEMXPRO M.2 2280 SATA EM31 Series

Budget-friendly, industrial design



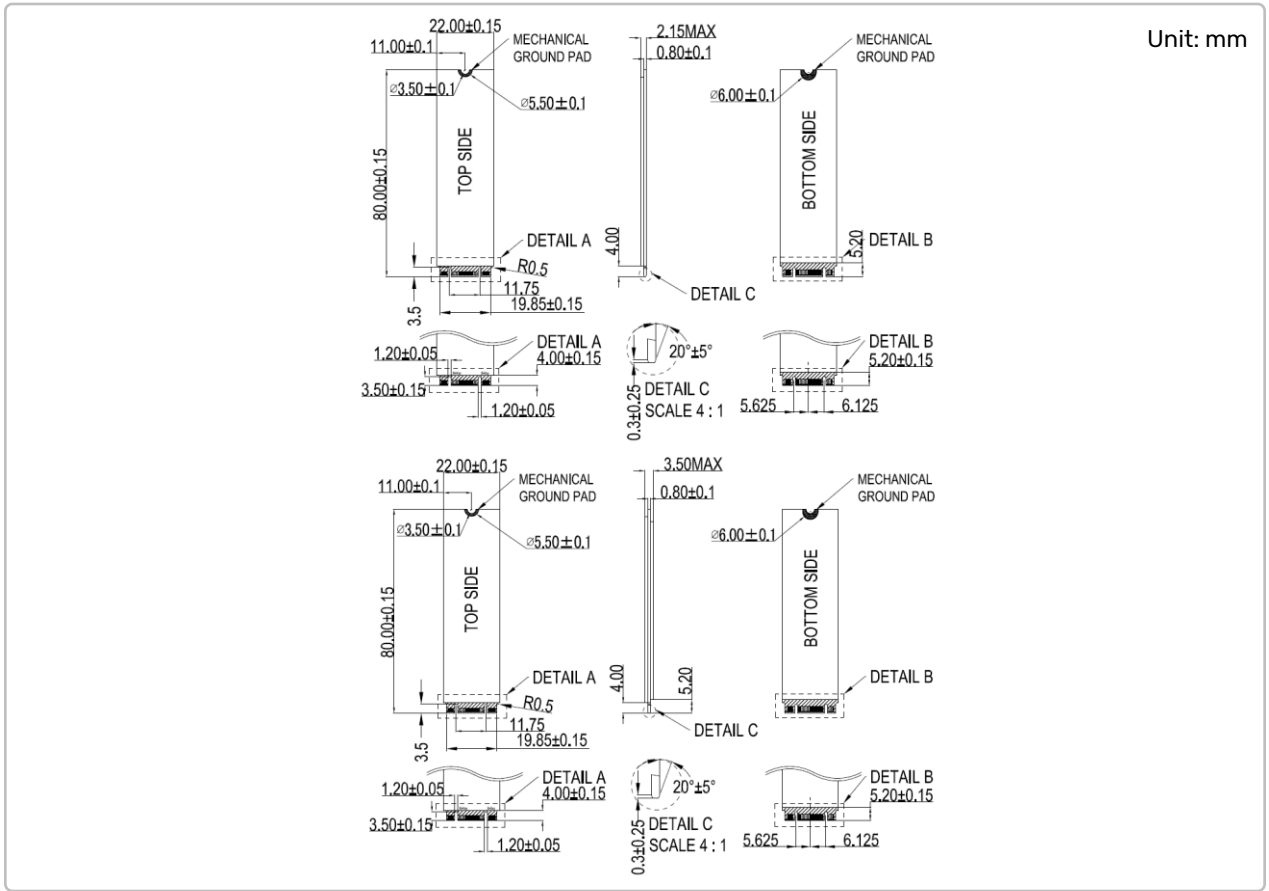
Features

- M.2 (NGFF) standard of 22mm wide, 80mm long
- MLC, DRAM-less, up to 256GB capacity
- Commercial/extended/wide temp. solutions
- Built-in ECC and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

Specification

Product Model	M.2 2280 EM31
Interface	SATA III
Form Factor	M.2 SATA (2280/S2/D2)
Flash Type	MLC
Max. Channel	4
Density	32GB~256GB
Sequential R/W (MB/sec, max.)	505/331
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	3.3W (3.3Vx1.0A)
Dimension (L x W x H/mm)	22x80x2.15 / 22x80x3.5
Operating Voltage	3.3V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	N/A
Thermal Sensor	✓
DEVSLP Mode	<5mW
ATA Security	✓
S.M.A.R.T.	✓
TRIM	✓
Vibration	20G (7~2KHz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

Dimensions



Ordering Information

Capacity	Commercial (0°C~70°C)	Extended (-25°C~85°C)	Industrial (-40°C~+85°C)
32GB	FE28S-32GMMS4X2C2	FE28S-32GMMS4X2E2	FE28S-32GMMS4X2W2
64GB	FE28S-64GMMS4X4C2	FE28S-64GMMS4X4E2	FE28S-64GMMS4X4W2
64GB	FE28S-64GTMS4X2C2	FE28S-64GTMS4X2E2	FE28S-64GTMS4X2W2
128GB	FE28S-A2GTMS4X4C2	FE28S-A2GTMS4X4E2	FE28S-A2GTMS4X4W2
256GB	FE28S-B5GTMS4X4C2	FE28S-B5GTMS4X4E2	FE28S-B5GTMS4X4W2