

MemxPro M.2 2242 SATA EM31 Series

Budget-friendly, industrial design



Features

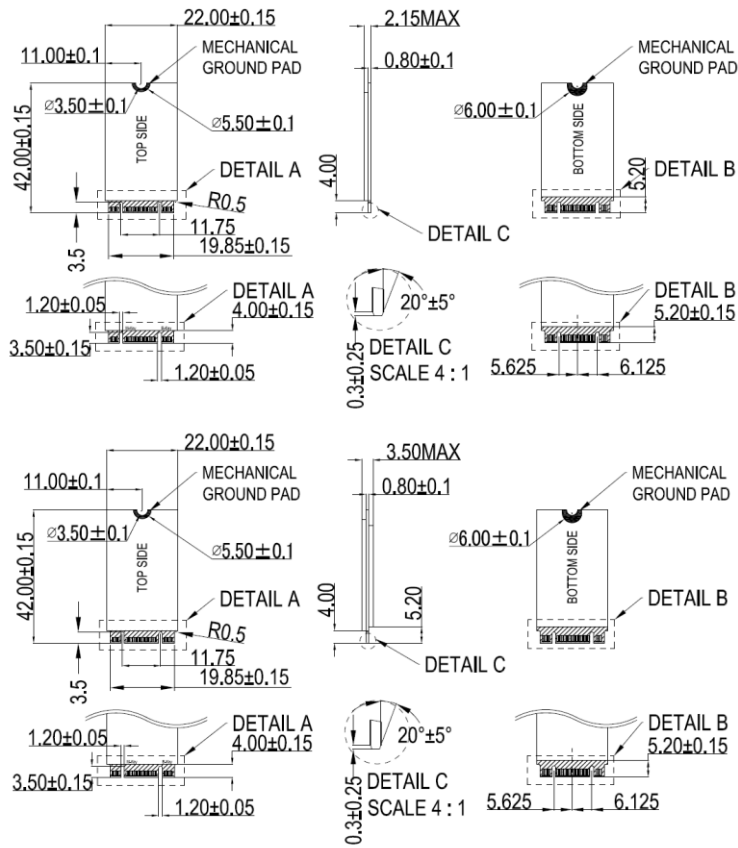
- M.2 (NGFF) standard of 22mm wide, 42mm long
- MLC, DRAM-less, up to 256GB capacity
- Commercial/extended/wide temp. solutions
- Built-in ECC and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

Specification

| | |
|-------------------------------|-----------------------------------|
| Product Model | M.2 2242 SATA EM31 |
| Interface | SATA III |
| Form Factor | M.2 SATA (2242/S2/D2) |
| Flash Type | MLC |
| Max. Channel | 4 |
| Density | 16GB~128GB |
| Sequential R/W (MB/sec, max.) | 520/197 |
| Operating Temperature | 0°C~+70°C/-25°C~+85°C/-40°C~+85°C |
| Max. Power Consumption | 0.825W (3.3Vx250mA) |
| Dimension (L x W x H/mm) | 22x42x2.15 / 22x42x3.5 |
| 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

Unit: mm



Ordering Information

| Capacity | Commercial (0°C~70°C) | Extended (-25°C~85°C) | Industrial (-40°C~+85°C) |
|----------|-----------------------|-----------------------|--------------------------|
| 16GB | FE24S-16GMMS4X1C1 | FE24S-16GMMS4X1E1 | FE24S-16GMMS4X1W1 |
| 32GB | FE24S-32GMMS4X2C1 | FE24S-32GMMS4X2E1 | FE24S-32GMMS4X2W1 |
| 64GB | FE24S-64GTMS4X2C1 | FE24S-64GTMS4X2E1 | FE24S-64GTMS4X2W1 |
| 128GB | FE24S-A2GTMS4X4C1 | FE24S-A2GTMS4X4E1 | FE24S-A2GTMS4X4W1 |