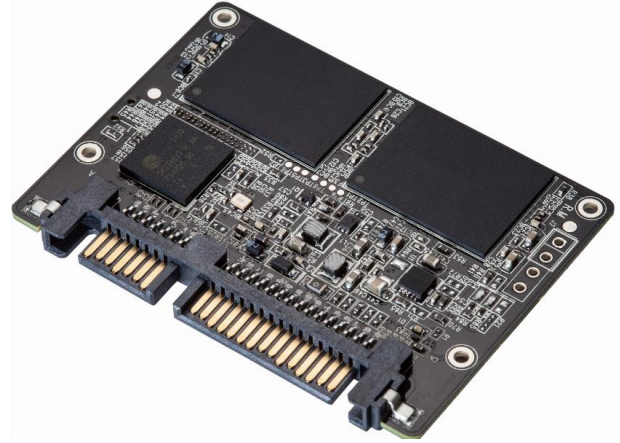
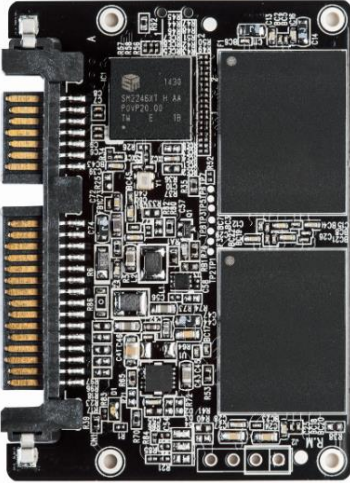
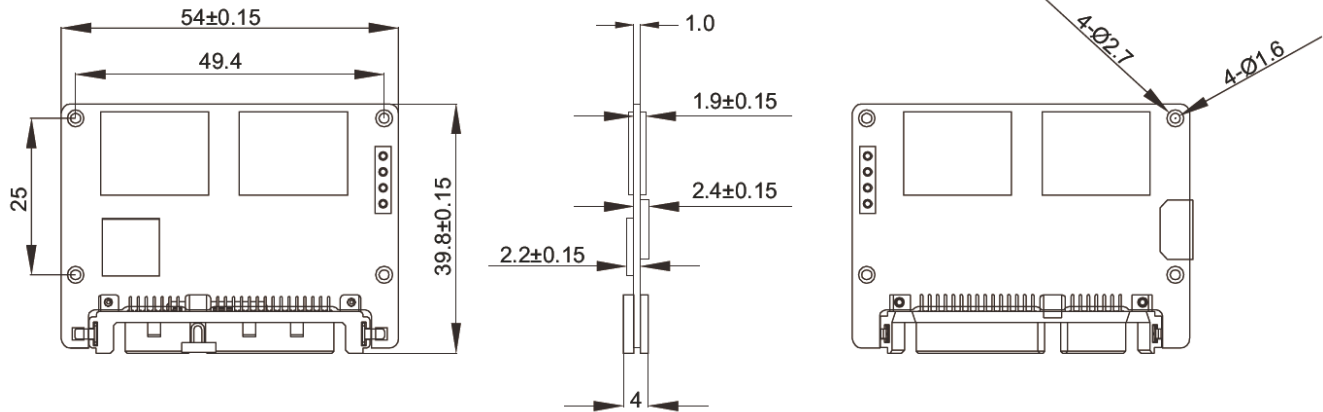


Slim SATA Series



The MemxPro Slim SATA series are compact flash modules compliant with JEDEC MO-297 standard. The Slim SATA series is much smaller than a standard 2.5" SSD but still includes the same standard 22-pin (7+15) SATA interface. Its compact size and low-power features enable high-speed system boot-up and fast data transfers. The Slim SATA series uses four mounting holes for secure installation and shock resistance.

- Compliant with JEDEC MO-297 specification.
- SATA III interface running at up to 6Gb/s.
- SLC/StrongMLC/MLC versions in standard, extended, and industrial grade temperature ranges.
- Global wear leveling, bad block management with built-in ECC, and optional security features.
- SMARTPro device monitoring tool or SDK library support.



| Product Model | Slim SATA M3B | Slim SATA G3B | Slim SATA S3B |
|-------------------------------|-----------------------------------|-------------------|-------------------|
| Interface | SATA III | SATA III | SATA III |
| Form Factor | Slim SATA (MO297) | Slim SATA (MO297) | Slim SATA (MO297) |
| Flash Type | MLC | StrongMLC | SLC |
| Max. Channel | 4 | 4 | 4 |
| Density | 16GB~512GB | 8GB~256GB | 8GB~128GB |
| Sequential R/W (MB/sec, max.) | 505/331 | 514/421 | 5520/425 |
| Operating Temperature | 0°C~+70°C/-25°C~+85°C/-40°C~+85°C | | |
| Max. Power Consumption | 2.75W (5V 550mA) | | |
| Dimensions (LxWxH/mm) | 39.8x54x4 | | |
| Operating Voltage | 5V±10% | | |
| 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 (7~2K Hz) | | |
| Shock Resistance | 1500G@0.5ms | | |
| MTBF | >3 million hours | | |

Note: SLC products are supported upon request with MOQ requirement.

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