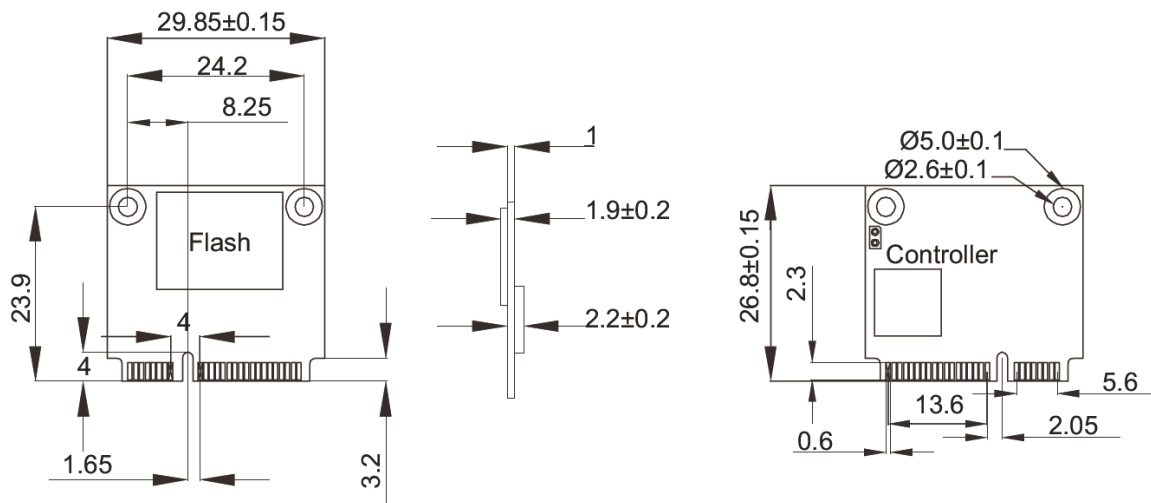


Mini mSATA Series



The MemxPro Mini mSATA series is an ultra-compact half-size mSATA SSD compliant with JEDEC MO-300/MO-300B standard. Its ultra-compact and low-power design is the ideal choice as a boot drive without sacrificing data transfer speed. It is a lower cost SSD alternative to spinning hard disk drives in embedded applications.

- Compliant with JEDEC MO-300B 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	Mini mSATA M3B	Mini mSATA G3B	Mini mSATA S3B
Interface	SATA III	SATA III	SATA III
Form Factor	Mini mSATA (MO300B)	Mini mSATA (MO300B)	Mini mSATA (MO300B)
Flash Type	MLC	StrongMLC	SLC
Max. Channel	2	2	2
Density	16GB~128GB	8GB~64GB	8GB~32GB
Sequential R/W (MB/sec, max.)	348/101	354/154	355/155
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C		
Max. Power Consumption	1.1W (3.3Vx320mA)		
Dimensions (LxWxH/mm)	26.8x29.85x3.5		
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 (7~2K Hz)		
Shock Resistance	1500G@0.5ms		
MTBF	>3 million hours		

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

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.)

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