

MemxPro Half Slim SATA E231 Series

1TB high capacity & wide temperature



Features

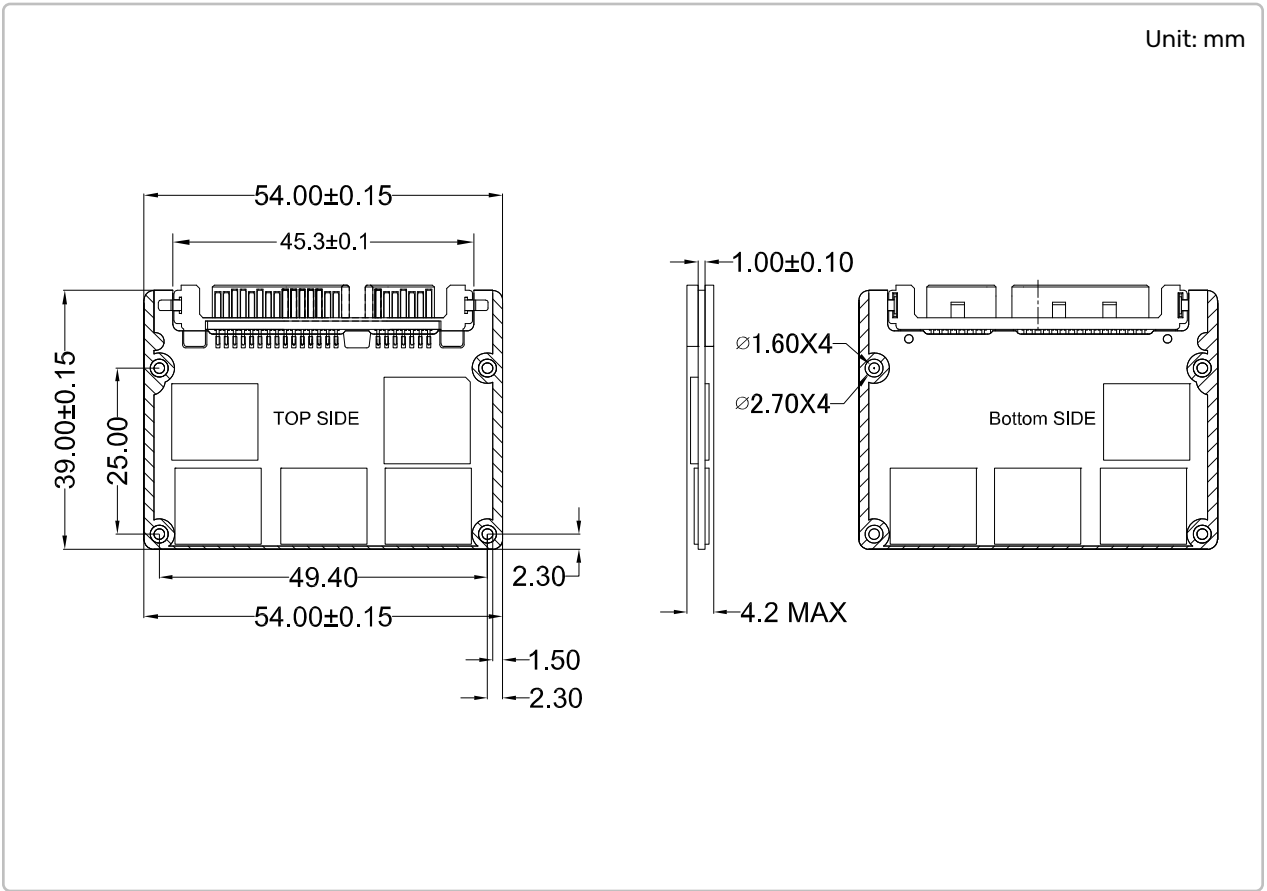
- SATA III, compliant with JEDEC MO-297
- MLC, up to 1TB capacity
- Extended/wide temp. solutions
- Built-in ECC engine and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

Specification

Product Model	Half Slim SATA E231
Interface	SATA III
Form Factor	Half Slim SATA (M0297)
Flash Type	MLC eMMC
Max. Channel	8
Density	16GB~1TB
Sequential R/W (MB/sec, max.)	517/407
Operating Temperature	-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	5.5W (5Vx1100mA)
Dimension (L x W x H/mm)	39.8x54x4
Operating Voltage	5V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	N/A
Thermal Sensor	✓
DEVSLP Mode	N/A
ATA Security	✓
S.M.A.R.T.	✓
TRIM	✓
Vibration	20G (7~2K Hz)
Shock Resistance	1500G@0.5ms
MTBF	>3 million hours

Dimensions

Unit: mm



Ordering Information

Capacity	Extended (-25°C~85°C)	Industrial (-40°C~+85°C)
16GB	FEHSS-16GS2M081E1	FEHSS-16GS2M081W1
32GB	FEHSS-32GS2M082E1	FEHSS-32GS2M082W1
64GB	FEHSS-64GS2M084E1	FEHSS-64GS2M084W1
128GB	FEHSS-A2GS2M088E1	FEHSS-A2GS2M088W1
256GB	FEHSS-B5GS2M082E1	FEHSS-B5GS2M082W1
512GB	FEHSS-E1GS2M084E1	FEHSS-E1GS2M084W1
1TB	FEHSS-010S2M088E1	FEHSS-010S2M088W1