

MEMXPRO M.2 2280 SATA RM31 (AES)

Rugged design, AES 256-bit key



Features

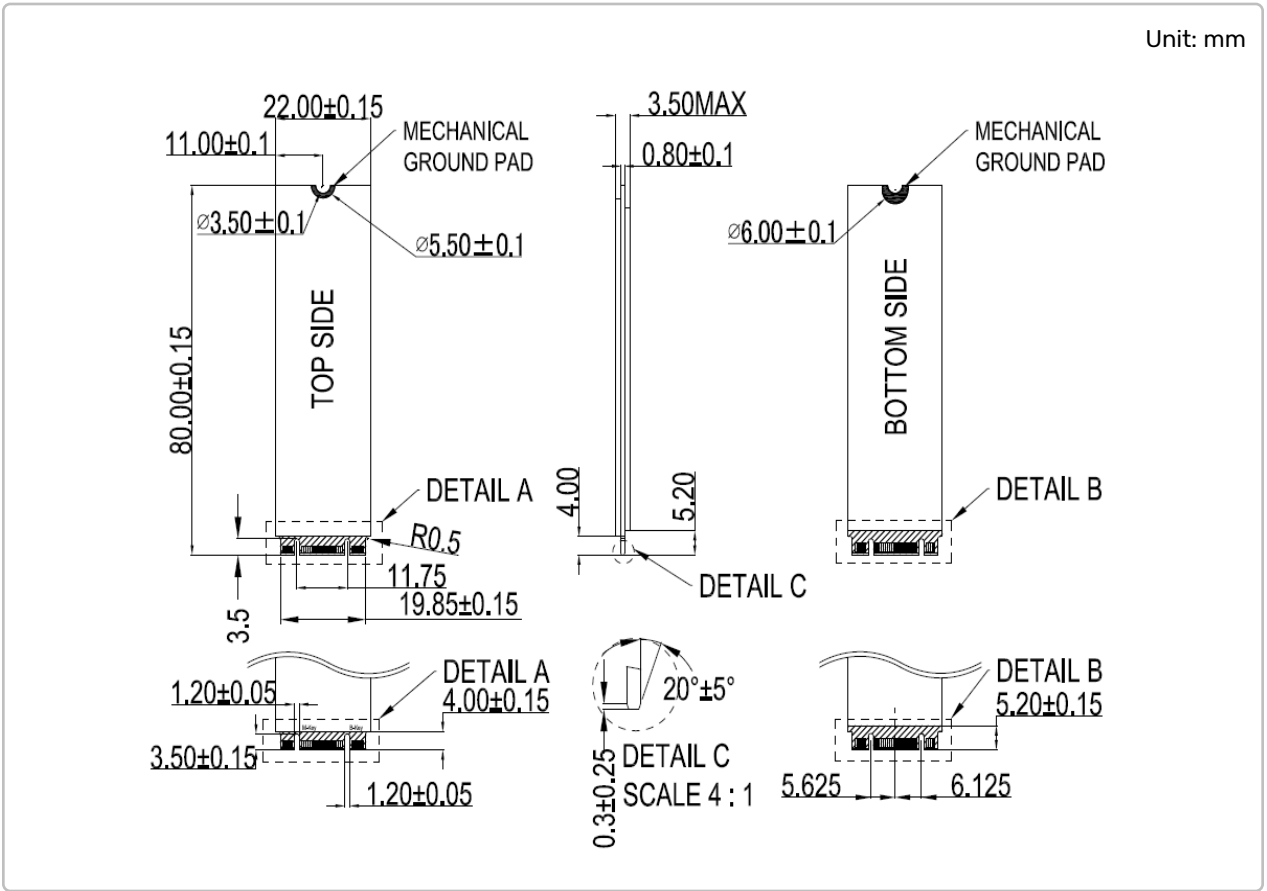
- M.2 (NGFF) standard of 22mm wide, 80mm long
- MLC, DRAM cache, up to 256GB capacity
- Commercial/extended/wide temp. solutions
- TCG Opal 2.0 with AES 256-bit encryption
- Built-in ECC and OCP/OVP
- NCQ/TRIM/SMART support
- mSMART storage device monitoring

Specification

Product Model	M.2 2280 SATA RM31 (AES)
Interface	SATA III
Form Factor	M.2 SATA (2280/D2)
Flash Type	MLC
Max. Channel	4
Density	128GB-256GB
Sequential R/W (MB/sec, max.)	545/453
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C
Max. Power Consumption	3.96W (3.3Vx1200mA)
Dimension (L x W x H/mm)	22x80x3.5
Operating Voltage	3.3V±5%
Storage Temperature	-55°C~+95°C
External DRAM Buffer	✓
Thermal Sensor	✓
DEVSLP Mode	Optional
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)
128GB	FR28S-A2GTMS4A4C1	FR28S-A2GTMS4A4E1	FR28S-A2GTMS4A4W1
256GB	FR28S-B5GTMS4A4C1	FR28S-B5GTMS4A4E1	FR28S-B5GTMS4A4W1