

Integral M.2 SATA III 22x80



2
TB

The Integral M.2 next generation form factor SATA 6Gbps MLC SSD delivers all of the advantages of flash memory technology for SATA based computers.

SATA SSD storage solutions are designed for Notebooks, Desktops, Ultrabooks and tablets. They address the need for more low powered compact storage without compromising performance and reliability of solid state drives.

- Shock resistance - No moving parts enable the product to be used in tougher conditions
- Silent operation - Noiseless and low heat dissipation
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- RoHS compliant
- CE and FCC tested
- Warranty – 3 Years

FEATURES

- M.2 2280 form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Supports 'M' & 'B' Key sockets
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard with M.2 M and B socket
- Non-volatile Flash Memory for outstanding data retention - Less likely to fail than HDD
- Ultra-efficient Block Management and Static and Dynamic Wear Leveling
- Lower Power Consumption

PERFORMANCE Sequential Speed (up to)		
2TB	Read	500MB/s (up to)*
	Write	500MB/s (up to)*
INTERFACE		
Interface	SATA III 6Gbps Also Compatible with SATA II 3Gbps and SATA 1.5Gbps	
NAND	MLC	
Form Factor	M.2 22x80 'M' & 'B' Key connector	
Standard	M.2 (previously known as Next Generation Form Factor (NGFF))	
POWER CONSUMPTION		
Supply Voltage	3.3V	
Power Consumption (mW) Up To	Read: 2TB = 1900	
	Write: 2TB = 3300	
	Idle: 2TB = 950	
MTBF	>1.5 Million Hours	
ENVIRONMENTAL		
Operating Temp	0° to +70°C	
Non - Operating Temp	-40° to +85°C	
Supports SMART Software	Yes	
Compliance	CE, FCC, RoHS	
DIMENSIONS		
Length	80mm	
Width	22mm	
Height	3.8mm	
Weight	6g	
Length (Packed)	120mm	
Width (Packed)	64mm	
Depth (Packed)	8mm	
Weight (Packed)	15g	
WARRANTY		
3 years		

*Based on internal testing

CAPACITY	PART CODE	BARCODE (EAN)
2TB	INSSD2TM280	5055288439887

1. Performance based on "out of the box" internal testing measured under ambient temperature. Sequential RW is measured using ATTO.

2. Power Consumption may differ according to flash configuration and platform.

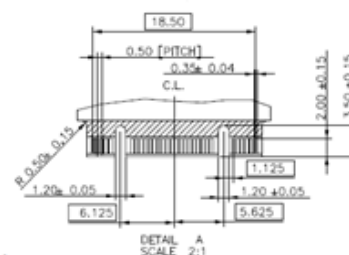
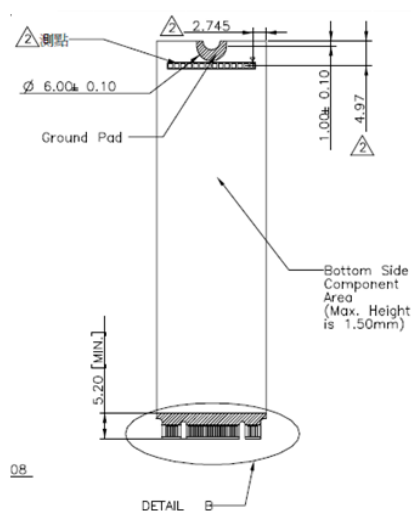
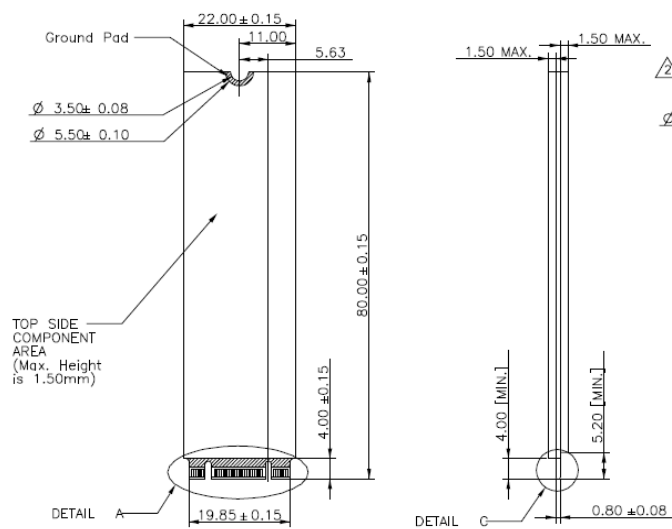
1GB = 1,000,000,000 bytes. Formatted capacity is less.

This device should not be used as your sole backup.

Product design and specification subject to change or modification without notice. E&OE.

All trademarks acknowledged.

For warranty information please visit www.integralmemory.com/warranty



Notes :

1. [Pattern] = Max Component Height is
2. [Pattern] = No Component
3. [Pattern] = No Component / Signal Vias / Signal Copper/Print
4. General Tolerance : $\pm 0.15\text{mm}$