



Crucial SSD Specifications

Form Factor	2.5-inch industry-standard metal housing
Dimensions	100.2mm (l) x 69.85mm (w) x 9.5mm(h)
Weight	82g
Available capacities	32GB and 64GB
Host interface	Serial ATA (SATA)
Host data transfer rate	3Gb/s (backwards compatible with 1.5Gb/s)
Read/write speeds	32GB: up to 100MB/s (read) 60MB/s (write) 64GB: up to 100MB/s (read) 35MB/s (write)
IOPS (input/outputs per second)	80K sequential read IOPS for a 512-byte transfer
Shock	1,500G / 0.5msec
Vibration	20G (20-2000Hz)
Temperature	Operating (0°C to 70°C) Non-operating (-40°C to 85°C)
Acoustics	0dB
MTBF (mean time between failures)	>1 million hours
Endurance	Static & Dynamic wear-leveling 6-bit ECC error correction
Crucial Warranty	5 years

* Performance testing platform:
 EVGA nForce 680i motherboard (122-CK-NF68-T1)
 Intel Core 2 Quad 2.66GHz processor
 2GB (2x1GB) Crucial DDR2 667MHz memory
 Windows XP (SP2)

Actual usable memory capacity may vary. 1MB equals 1 million bytes; 1GB equals 1 billion bytes.



32GB - CT32GBFAB0
 64GB - CT64GBFAA0

Flash forward to the next chapter in storage.

Introducing the Crucial™ SSD (Solid State Drive)—a flash-based hard drive alternative that’s redefining mobile computing! An SSD is more reliable, faster, and more durable than traditional magnetic hard drives, giving notebook users longer battery life, improved reliability, and more responsive system performance.

Featuring an industry-standard 2.5” form factor, the Crucial SSD has no moving parts. That means lower latency for faster boot times and application loads, lower power consumption, less heat, and no noise. It offers a host data transfer rate of up to 3Gb/s. Plus, it delivers overall system performance improvements with read speeds up to 100MB/s and write speeds up to 60MB/s—and the rugged, shock-and vibration-resistant, temperature-tolerant design hangs tough in even the most extreme operating environments.

Crucial is the trusted name in memory upgrades backed by industry-leading warranties and outstanding service and support. And now, we’re the company with the best SSD information and products for your needs.

Why adopt SSD technology?

SSDs (solid state drives) utilize non-volatile flash memory for computing applications that otherwise rely upon a mechanical hard disk drive.

That means:

- It’s **more durable** than a traditional hard drive.
- It requires **less power** for longer notebook battery life.
- It eliminates latency issues and delivers overall **faster response times**.
- Its **rugged design** is tolerant of extreme shock and vibration and harsh temperature conditions.

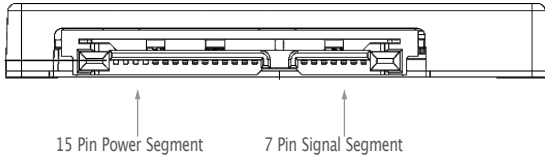
It’s not just for mobile users.

The advantages reach beyond the notebook, too. Our innovative SK01 external storage kit integrates an SSD into your standard desktop PC and allows it to act as a portable USB storage device. At work, at home, or on the road—With Crucial SSD drives, the latest in storage technology is yours in a flash.



Crucial Solid State Drives

Pin Configurations



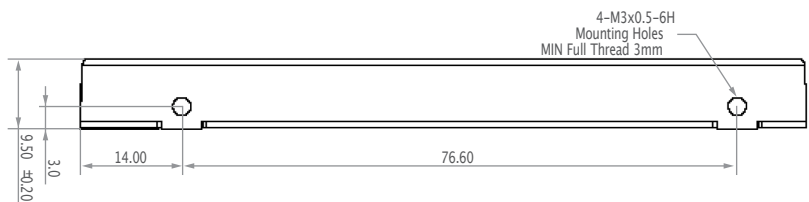
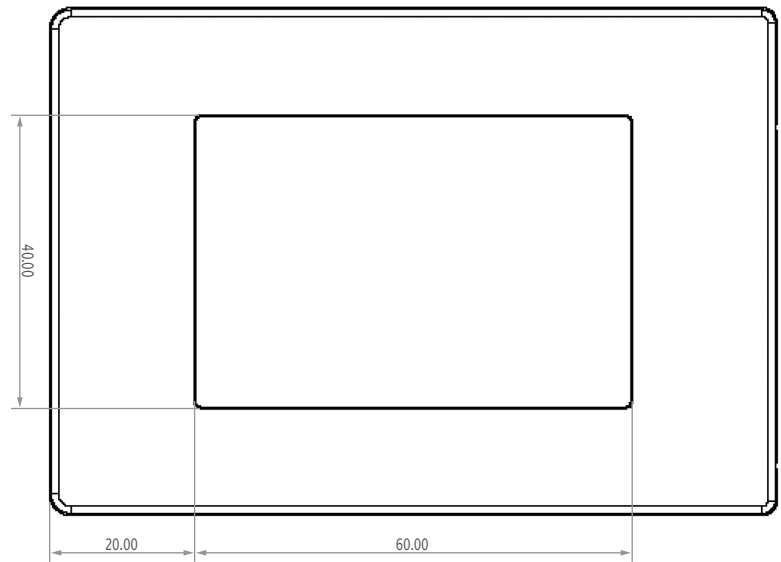
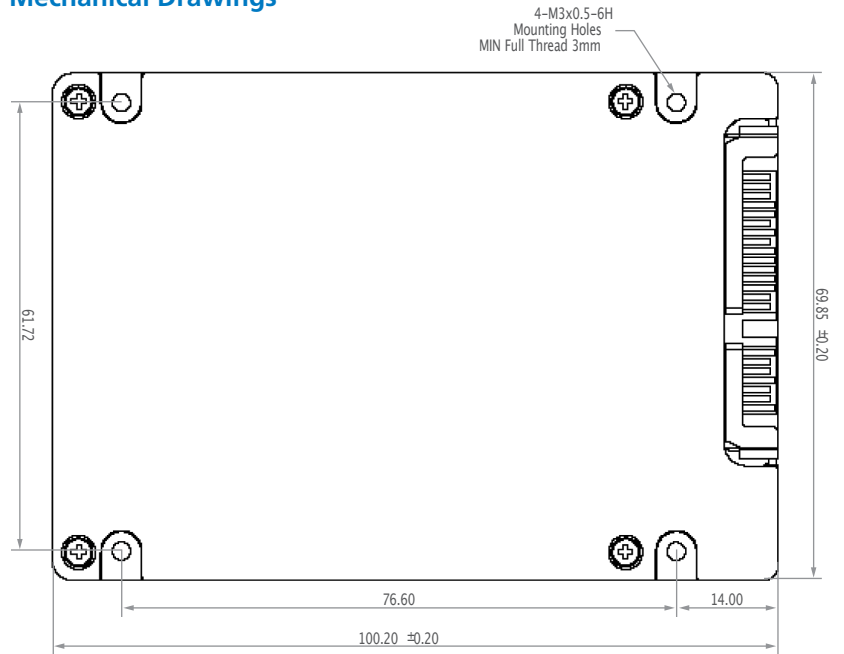
Signal Segment Pinout

PIN	SIGNAL NAME
S1	GND
S2	RxP
S3	RxN
S4	GND
S5	TxN
S6	TxP
S7	GND

Power Segment Pinout

PIN	SIGNAL NAME
P1	Not Used (3.3V)
P2	Not Used (3.3V)
P3	Not Used (3.3V Pre-Charge)
P4	GND
P5	GND
P6	GND
P7	5V Pre-Charge
P8	5V
P9	5V
P10	GND
P11	Reserved
P12	GND
P13	Not Used (12V Pre-Charge)
P14	Not Used (12V)
P15	Not Used (12V)

Mechanical Drawings



© 2008 Micron Technology, Inc. All rights reserved. Information is subject to change without notice. Crucial, and the Crucial logo are trademarks/service marks of Micron Technology Inc. in the U.S. and outside of the U.S. All other trademarks are property of their respective owners. Crucial is not responsible for omissions or errors in typography or photography.