

■ ■ **TeraDrive CT2**  
SATA-II 3Gbps Native SAS Compatible SSD

**SATA Solid State Drive**



TeraDrive™ SSDs are the new pinnacle of performance in storage. The TeraDrive CT2 is based on the advanced new SandForce™ SF-1200 SSD processor. TRIM and Garbage Collection features are included to ensure exceptional sequential performance over the life of the drive with no performance degradation over time. Supporting up to 280MB/sec sequential speeds, the TeraDrive CT2 delivers exceptional performance in high end laptops and desktops.

This drive is native SAS tested and verified for RAID cards, making it ideal for use in servers and workstations. It also supports TRIM and garbage collection. Set to revolutionize storage, the TeraDrive CT2 is available with MLC NAND flash, and is offered in capacities from 55GB to 480GB.

**Physical Specifications**

|                |                          |
|----------------|--------------------------|
| Form Factor    | 2.5"                     |
| Capacity*      | 55GB - 480GB             |
| Dimension      | 69.85 x 100.20 x 9.50 mm |
| SATA Interface | Serial ATA-II 3Gbps      |
| NAND Flash     | MLC                      |
| Power Supply   | 5V ± 10%                 |
| Package        | Metal housing            |

**Performance Specifications**

| Capacity | Seq. Read (MB/sec max) | Seq. Write (MB/sec max) |
|----------|------------------------|-------------------------|
| 55GB     | 280                    | 270                     |
| 115GB    | 280                    | 270                     |
| 240GB    | 280                    | 270                     |
| 480GB    | 280                    | 270                     |

**Environmental Specifications**

|                       |            |
|-----------------------|------------|
| Operating Shock       | 1500G      |
| Operating Vibration   | 16G        |
| Operating Temperature | 0C to +70C |
| Operating Humidity    | 5 to 90%   |

**Ordering Information**

|       |            |
|-------|------------|
| 55GB  | FTM55C225H |
| 115GB | FTM11C225H |
| 240GB | FTM24C225H |
| 480GB | FTM48C225H |

**Reliability Specifications**

|                      |                           |
|----------------------|---------------------------|
| MTBF                 | 1,000,000 hours           |
| Data Reliability     | Built-in EDC/ECC function |
| Data Retention       | 10 years                  |
| Wear Leveling Algor. | Patent Pending            |

© 2010 Super Talent Technology. Specifications subject to change without notice. US patent # 6,547,130 and others apply. 1GB=1,000,000,000 Bytes. Usable capacity may be less than specified after formatting. Performance rating based on ATTO Disk Benchmark scores. Actual performance varies depending upon the system configuration and the application used. Performance is highly dependent upon test environment and use case.

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SATA Flash Drive Pin Assignment

**Power Segment**

| PIN | Signal Name               | Description          |
|-----|---------------------------|----------------------|
| P1  | Not Used (3.3V)           | N/A                  |
| P2  | Not Used (3.3V)           | N/A                  |
| P3  | Not Used (3.3V Precharge) |                      |
| P4  | GND                       | 1 <sup>st</sup> mate |
| P5  | GND                       | 2 <sup>nd</sup> mate |
| P6  | GND                       |                      |
| P7  | 5V Precharge              | 5V Power             |
| P8  | 5V Precharge              | 5V Power             |
| P9  | 5V Precharge              |                      |
| P10 | GND                       |                      |
| P11 | Reserved                  |                      |
| P12 | GND                       | 1 <sup>st</sup> mate |
| P13 | Not Used (12V Precharge)  | N/A                  |
| P14 | Not Used (12V)            |                      |
| P15 | Not Used (12V)            |                      |

**Signal Segment**

| PIN | Signal Name | Description                           |
|-----|-------------|---------------------------------------|
| S1  | GND         |                                       |
| S2  | RxP         | Differential Signal pair for Receive  |
| S3  | RxN         |                                       |
| S4  | GND         |                                       |
| S5  | TxN         | Differential Signal pair for Transmit |
| S6  | TxP         |                                       |
| S7  | GND         |                                       |

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**Mechanical Specifications**

