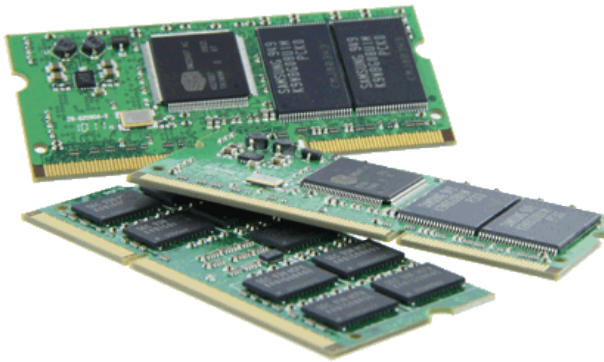


TuffDrive™

VS Series SSSDR



DESCRIPTION:

The Virtium TuffDrive™ VS Series is the first innovative memory and flash storage solution that combines Serial ATA Solid State Drive (SATA SSD) and Double Data Rate Synchronous Dynamic Ram (DDR SDRAM) technologies in a single SODIMM socket. This dual function memory module is an optimal solution for many Single Board Computers (SBCs), ETX, COM Express and Advanced TCA-based applications. The combination of the DRAM and Flash sub-systems found on most embedded systems provides benefits in cost, size and designer flexibility.

The use of the existing SO-DIMM connector reduces cost and eliminates the volume required by a standalone SSD. SSSDR is available in DDR2 and DDR3 SDRAM formats and with flash capacities from 8 GB to 32 GB.

The Virtium TuffDrive™ Difference:

- Enhanced firmware/ hardware circuits with support of dedicated FAE at customer's site to overcome complicated SATA host compatibility or OS issues.
- Custom testing to meet customer requirements and resolve SATA issues—power cycling, data corruption, endurance
- Specialize in industrial-grade flash storage solutions for embedded systems, providing B.O.M control and extended product line support.

FEATURES:

Industrial temperature Screening -40° to +95°C

DDR 2/3/4 Interface

1GB to 16GB SLC NAND FLASH

Speeds up to 110MB/s read; 70MB/s Writes

Enhanced Power cycling to prevent data corruption

BENEFITS:

Single interface reduces integration costs

Long-term sustainable product lifecycle support—5 years minimum.

B.O.M. Control results in consistent, compatible and reliable product performance.

Consistent supply and advanced product change notification helps to avoid manufacturing interruptions.

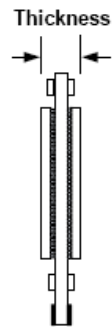
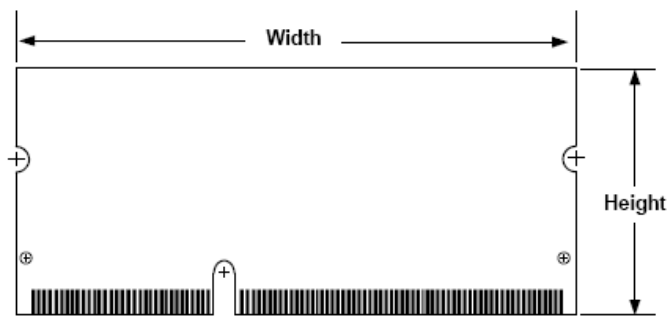
APPLICATIONS:

Embedded Systems, Military, Aerospace, Networking/Telecom, Storage Server, Medical, Gaming

Virtium TuffDrive™ SSDDR Series

SERIES	DENSITY	DRAM DENSITY	DRAM CONFIG	FORM FACTOR	MODULE RANK	ECC	DMA ENABLED	P/N
VS-100 (THIN)	1GB	1GB	8x	SO-DIMM	1	NO	Yes	VS470T2863AE6S-SL4S
VS-100	1GB	1GB	8x	SO-DIMM	1	NO	Yes	VS47B2863AF8SF-SL8SB
VS-100	2GB	1GB	8x	SO-DIMM	2	NO	Yes	VS47B5763AF8SC-SL8SB

Mechanical Outlines



Unit	Width	Height	Thickness
Inches	2.661	1.181	0.140
Millimeters	67.60	30.00	3.60



Virtium Technology provides memory and solid state storage solutions for single board computers and high-reliability systems.

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