



TuffDrive™

Industrial mSATA VMS Series (MO-300)

Densities: 4GB- 32GB



DESCRIPTION:

The Virtium TuffDrive™ mSATA VMS (MO-300) product family is an industrial and commercial temperature graded Flash solution in the JEDEC MO-300 form factor. It was developed to match OEM requirements for long-term product and reliable supplier support, and Virtium is committed to B.O.M. control over the life of a customer's application. The TuffDrive™ industrial and commercial mSATA product family is available in a broad range of densities up to 64GB and features speeds up to 110MB/s read and 70 MB/s write and is available in both standard and high density PCB Layouts.

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, and ECC Errors.
- Specialize in industrial-grade flash storage solutions for embedded systems, providing B.O.M control and extended product line support.

FEATURES:

Industrial temperature -40° to +85°

mSATA (JEDEC MO-300) SATA II Interface

4GB to 64GB SLC NAND FLASH

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

Enhanced Power cycling to prevent data corruption

S.M.A.R.T. command support; Write protection, ECC

BENEFITS:

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.

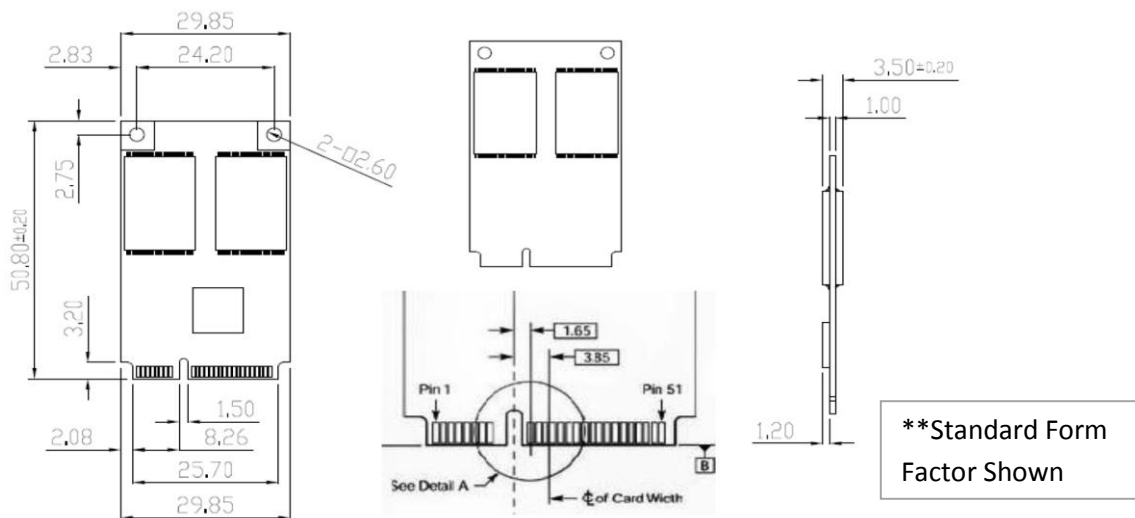
APPLICATIONS:

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

Virtium TuffDrive™ Industrial mSATA Product family

DENSITY	OPERATING TEMP.	READ SPEED	WRITE SPEED	FLASH TYPE	INTERFACE	P/N
4GB	-40° to +85°C	110MB/s	70MB/s	SLC	SATA II	VMS1-04G-SDIS-AA
8GB	-40° to +85°C	110MB/s	70MB/s	SLC	SATA II	VMS1-08G-SDIS-AA
16GB	-40° to +85°C	110MB/s	70MB/s	SLC	SATA II	VMS1-16G-SDIS-AA
32GB	--40° to +85°C	110MB/s	70MB/s	SLC	SATA II	VMS1-32G-SDIS-AA

Mechanical Outlines



Virtium TuffDrive™ Commercial mSATA Product family

DENSITY	OPERATING TEMP.	READ SPEED	WRITE SPEED	FLASH TYPE	INTERFACE	P/N
4GB	-0° to +70°C	110MB/s	70MB/s	SLC	SATA II	VMS1-04G-SDCS-AA
8GB	-0° to +70°C	110MB/s	70MB/s	SLC	SATA II	VMS1-08G-SDCS-AA
16GB	-0° to +70°C	110MB/s	70MB/s	SLC	SATA II	VMS1-16G-SDCS-AA
32GB	-0° to +70°C	110MB/s	70MB/s	SLC	SATA II	VMS1-32G-SDCS-AA



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

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