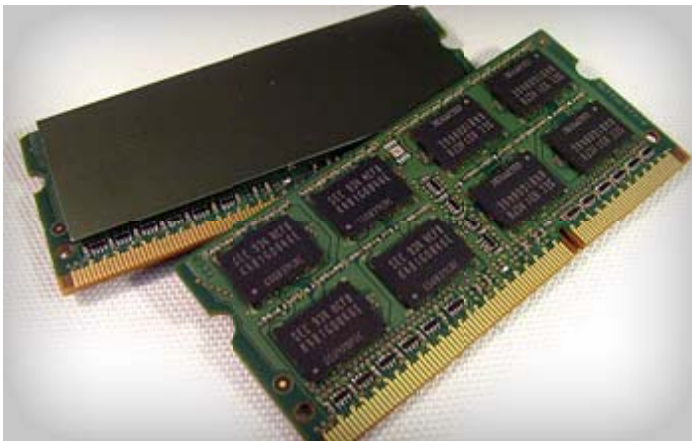


8GB DDR3 Non-ECC SO-DIMM



DESCRIPTION:

Virtium offers the industry's first high density 8GB DDR3 Non-ECC SO-DIMM that uses 3x nm DRAM technology for lower power and a smaller package size. Customers benefit from a high density memory module solution that allows small form factor single board computers that have single memory socket limitations the ability to upgrade memory storage to the maximum.

The Virtium 8GB DDR3 Non-ECC SO-DIMM is an ideal solution for current and next-generation embedded OEM computing boards and telecommunications applications such as ETX, COM Express, AdvancedMCs and single board computers (SBCs).

Virtium delivers a comprehensive selection of module enhancements designed for rugged, mission-critical applications. The Virtium 8GB DDR3 Non-ECC SO-DIMM product family is available with thermal heat-spreader, thermal sensor, conformal coating and underfill protection options. Additional services include extreme temperature testing, thermal management methodologies, conformal coating, underfill, and module anchor solutions for high-vibration environments.

FEATURES:

- High density 8GB DDR3 Non-ECC SO-DIMM
- 4Gbit monolithic DRAM x8 non-stacked
- Dual Rank
- Module Speed Support: PC3-12800, PC3-10600, PC3-8500 or PC3-6400
- Lead-free, RoHS compliant
- Available options include thermal heat-spreader, thermal sensor, conformal coating, underfill protection

BENEFITS:

- Single die monolithic package design
- High-speed computing performance
- Optimized for efficient thermal management
- Saves valuable board real estate with smallest form factor module
- Extended temp. screening: -40°C to +85°C

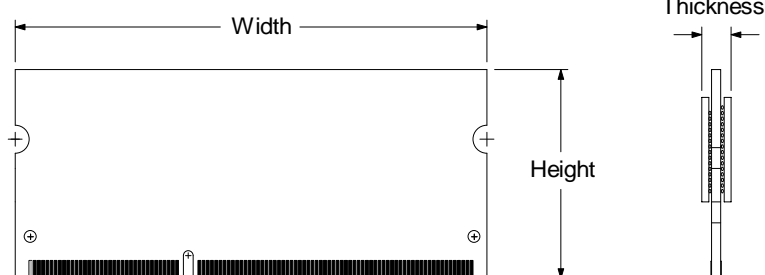
APPLICATIONS:

- Supports a wide range of telecommunication and embedded computing boards and modules:
 - ETX
 - COMexpress
 - AdvancedMC Blades
 - Single Board Computers

SODIMM Non-ECC

DENSITY	HEIGHT	THICKNESS	MAX SPEED	COMP. DENSITY	COMP. PACKAGE	COMP. CONFIG.	MODULE RANKS	CL	PART NUMBER
8GB	1.181"	0.134"	PC3-12800	4Gbit	Monolithic	x8	2	11	VL47B1G63A-K0S
8GB	1.181"	0.134"	PC3-10600	4Gbit	Monolithic	x8	2	9	VL47B1G63A-K9S
8GB	1.181"	0.134"	PC3-8500	4Gbit	Monolithic	x8	2	7	VL47B1G63A-F8S
8GB	1.181"	0.134"	PC3-6400	4Gbit	Monolithic	x8	2	6	VL47B1G63A-E7S

Mechanical Outlines



Unit	Width	Height	Thickness
Inches	2.661	1.181	0.134
Millimeters	67.60	30.00	3.40

Additional Virtium Memory Products

8GB DDR3 ECC SO-UDIMM

DENSITY	HEIGHT	THICKNESS	MAX SPEED	COMP. DENSITY	COMP. PACKAGE	COMP. CONFIG.	MODULE RANKS	CL	PART NUMBER
8GB	1.181"	0.134"	PC3-12800	4Gbit	Monolithic	x8	2	11	VL41B1G63A-K0S
8GB	1.181"	0.134"	PC3-10600	4Gbit	Monolithic	x8	2	9	VL41B1G63A-K9S
8GB	1.181"	0.134"	PC3-8500	4Gbit	Monolithic	x8	2	7	VL41B1G63A-F8S
8GB	1.181"	0.134"	PC3-6400	4Gbit	Monolithic	x8	2	6	VL41B1G63A-E7S



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

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