



... Because we know you needed it yesterday!

8GB DDR3 VLP Registered DIMM



DESCRIPTION:

The Virtium Technology 8 GB DDR3 Registered DIMM features a Very-Low Profile (VLP) 0.72-inch form factor, delivering a minimal module thickness of 0.140 inches or 3.57 mm. Virtium's 8GB VLP Registered DIMM is innovatively designed using mainstream 2Gbit DDR3 DRAM monolithic package non-stacked components that meet broad customer needs for high density, smaller size and lower cost memory solutions. Inherent design advantages as well as improved system reliability result from Virtium's breakthrough layout technique that reduces module thickness and increases airflow through components and throughout the system.

The Virtium 8GB VLP Registered DIMM is an ideal solution for current and next-generation embedded OEM and telecommunications applications such as storage blade servers, AdvancedTCA blades, Ethernet switches and routers.

Virtium delivers a comprehensive selection of module enhancements designed for rugged, mission-critical industrial applications. The Virtium 8GB DDR3 VLP Registered 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:

- DDR3 Very-low profile (VLP) Registered DIMM
- 2Gbit monolithic DRAM x4 and x8 non-stacked
- Module Speed Support: PC3-12800, PC3-10600, PC3-8500
- ECC support
- Lead-free, RoHS compliant
- Available options: Thermal heat-spreader, extended temperature screening, conformal coating and underfill protection

BENEFITS:

- Cost-effective, single die monolithic package design compared to DDP DRAM solutions
- Reduced production lead-times
- High-speed computing performance
- Optimized for efficient thermal management
- Saves valuable board real estate with VLP form factor
- Extended temp. screening: -40°C to +85°C

APPLICATIONS:

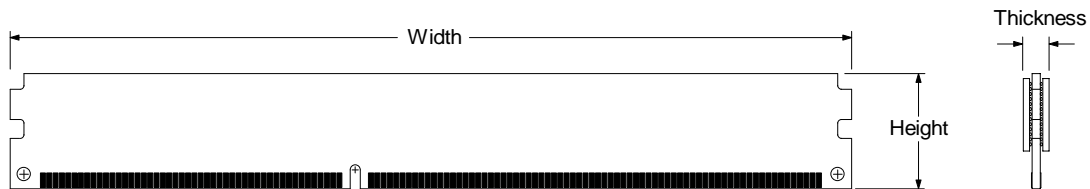
- AdvancedTCA Blades
- Ethernet Switches and Routers
- Storage Blade Servers

8GB DDR3 VLP Registered DIMM

DENSITY	HEIGHT	THICKNESS	MAX SPEED	COMP. DENSITY	COMP. PACKAGE	COMP. CONFIG.	MODULE RANKS	CL	PART NUMBER
8GB	0.72"	0.144"	PC3-12800	2Gbit	Monolithic	x4	2	11	VL33B1K60E-K0S
8GB	0.72"	0.144"	PC3-10600	2Gbit	Monolithic	x4	2	9	VL33B1K60E-K9S
8GB	0.72"	0.144"	PC3-8500	2Gbit	Monolithic	x4	2	7	VL33B1K60E-K8S
8GB	0.72"	0.144"	PC3-12800	2Gbit	Monolithic	x8	4	11	VL33B1K63E-K0S
8GB	0.72"	0.144"	PC3-10600	2Gbit	Monolithic	x8	4	9	VL33B1K63E-K9S
8GB	0.72"	0.144"	PC3-8500	2Gbit	Monolithic	x8	4	7	VL33B1K63E-K8S

Mechanical Outlines

VLP



Unit	Width	Height	Thickness
Inches	5.25	0.72	0.144
Millimeters	133.35	18.29	3.67

Additional Virtium Memory Products

4GB DDR3 VLP Registered Mini-DIMM

DENSITY	HEIGHT	THICKNESS	MAX SPEED	COMP. DENSITY	COMP. PACKAGE	COMP. CONFIG.	MODULE RANKS	CL	PART NUMBER
4GB	0.72"	0.144"	PC3-12800	2Gbit	Monolithic	x8	2	11	VL53B5263E-K0S
4GB	0.72"	0.144"	PC3-10600	2Gbit	Monolithic	x8	2	9	VL53B5263E-K9S
4GB	0.72"	0.144"	PC3-8500	2Gbit	Monolithic	x8	2	7	VL53B5263E-F8S
4GB	0.72"	0.144"	PC3-6400	2Gbit	Monolithic	x8	2	7	VL53B5263E-E7S



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

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