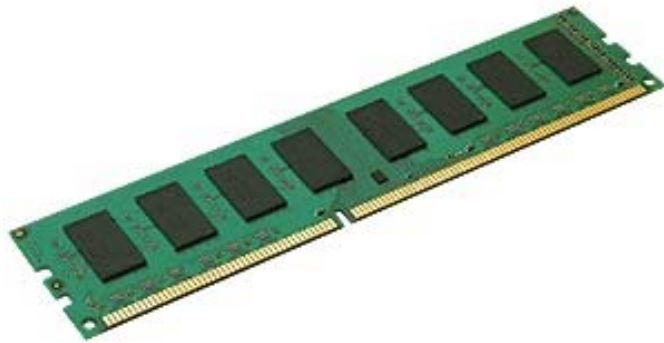


## DDR3 Unbuffered Non-ECC – Standard UDIMM



### DESCRIPTION:

Virtium offers DDR3 unbuffered non-ECC dual in-line memory module (UDIMM) in a selected range of densities, speeds and form factors.

Virtium UDIMMs are designed to satisfy the demanding memory applications for Embedded, Telecom, Networking, Storage, Military, Aerospace and Ruggedized Computer marketplace.

### FEATURES:

- 240-pin, Non-ECC dual in-line memory module (UDIMM)
- Proposed JEDEC pin-out
- PC3-12800, PC3-10600, PC3-8500, PC3-6400
- VDD = VDDQ = 1.5V +/- 0.075V
- VDDSPD = 3V to 3.6V
- JEDEC standard 1.5V +/- 0.075V I/O (SSTL\_15 compatible)
- Operating temperature: 0°C to 85°C
- Industrial temperature range also available
- 8 Banks
- 8-bit pre-fetch architecture
- Bi-directional Differential Data-Strobe
- Programmable Burst Length (8)
- On-die termination (ODT)
- Average Refresh Period 7.8us
- Serial presence detect with EEPROM
- Fly-by topology
- Lead-free, RoHS compliant

### BENEFITS:

- Low Power
- High densities
- High operational frequency

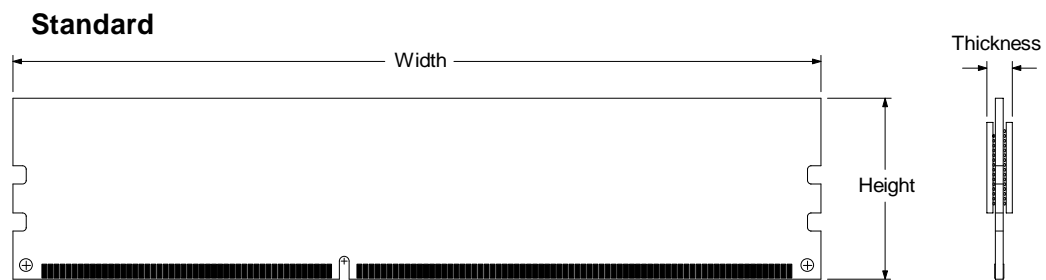
### APPLICATIONS:

- Single Board Computers
- Embedded Computing Platforms
- Telecommunication Servers
- Networking & Storage Appliances
- Military & Aerospace Systems

## Standard Height

DENSITY	HEIGHT	THICKNESS	MAX SPEED	COMP. DENSITY	COMP. PACKAGE	COMP. CONFIG.	MODULE RANKS	CL	PART NUMBER
2GB	1.181"	0.144"	PC3-12800	1Gbit	Monolithic	x8	2	9	VL37B5663A-H0
2GB	1.181"	0.144"	PC3-10600	1Gbit	Monolithic	x8	2	9	VL37B5663A-K9
2GB	1.181"	0.144"	PC3-10600	1Gbit	Monolithic	x8	2	8	VL37B5663A-G9
1GB	1.181"	0.144"	PC3-12800	1Gbit	Monolithic	x8	1	9	VL37B2863A-H0

## Mechanical Outlines



Unit	Width	Height	Thickness
Inches	5.25	1.181	0.144
Millimeters	133.35	30.00	3.67

## Additional Virtium Memory Products

### Virtium DDR3 RDIMM (Registered)



- 240-pin, dual in-line memory module
- Standard 1.181" and VLP 0.72" heights
- RDIMM offered in 8GB, 4GB, 2GB and 1GB densities
- Fast data transfer rates: PC3-12800, PC3-10600, PC3-8500 or PC3-6400
- JEDEC Standard form factor
- Targeted for high-speed operations
- RoHS compliance



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

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