



DDR3 UNBUFFERED SDRAM DIMM

BL12864BN
BL25664BN

Features

- 240-pin, unbuffered dual in-line memory module (UDIMM)
- Physical dimensions are compliant to JEDEC MO-269B
- Fast data transfer rates: PC3-12800, and PC3-10600
- 1GB (128 Meg x 64) and 2GB (256 Meg x 64)
- Exclusively designed for high-performance systems
- Critical performance parameters tested for functionality
- Speed verification performed in-system
- VDD = VDDQ = +1.65V ±0.075V
- VDDSPD = +3.0V to +3.6V
- Reset pin for improved system stability
- Nominal and dynamic on-die termination (ODT) for data, strobe, and mask signals
- 8 internal device banks for concurrent operation
- Fixed burst length of 8 (BL8) and burst chop of 4 (BC4) via the mode register
- Adjustable data-output drive strength
- Serial Presence-Detect (SPD) EEPROM
- Gold edge contacts
- RoHS compliant
- Fly-by topology



- Terminated command, address, and control bus
- Aluminum heat spreader
- 1.18" (30.00mm) PCB Height
- XMP Profiles Programmed to SPD

Timing Parameters

Module Marking	Module Bandwidth	Latency (CL - tRCD - tRP - tRAS)
1608	12.8 GB/s	8 - 8 - 8 - 24*
1337	10.6 GB/s	7 - 7 - 7 - 24*

* Performance is verified during testing.

Part Numbers

Part Number	Module Density	Voltage (VDD)	Memory Clock/ Data Bit Rate	Banking Configuration	Component Configuration
BL12864BN1608	1GB	1.65V	1.25ns/1600 MT/s	Single	128 Meg x 8
BL12864BN1337	1GB	1.65V	1.50ns/1333 MT/s	Single	128 Meg x 8
BL25664BN1608	2GB	1.65V	1.25ns/1600 MT/s	Dual	128 Meg x 8
BL25664BN1337	2GB	1.65V	1.50ns/1333 MT/s	Dual	128 Meg x 8



Crucial® Ballistix™ products are warranted to meet the datasheet specifications as found on its web page www.crucial.com/ballistix/ Some system configurations may not be designed to operate or may not operate at the published Crucial Ballistix memory speed and timing settings. Overclocking, running your system faster than the speed for which it was designed or the published speed, or otherwise modifying your system timing may result in damage to computer components and Crucial disclaims any and all liability for such damage.

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