



DDR3 UNBUFFERED SDRAM DIMM

BL25664FN

Features

- 240-pin, unbuffered dual in-line memory module (UDIMM)
- Physical dimensions are compliant to JEDEC MO-269B
- Fast data transfer rates: PC3-12800, PC3-14900, or PC3-17000
- 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
- Gold edge contacts
- RoHS compliant
- Fly-by topology



- Terminated command, address, and control bus
- Aluminum alloy extrusion heat spreader
- Module height: 1.8" (45mm)
- On-board I²C temperature sensor with integrated serial presence-detect (SPD) EEPROM
- XMP Profiles Programmed to SPD

Timing Parameters

Module Marking	Module Bandwidth	Latency (CL - t _{RCD} - t _{RP})
1608	12.8 GB/s	8 - 8 - 8 - 24
1869	14.9 GB/s	9 - 9 - 9 - 24
2139	17 GB/s	9 - 10 - 9 - 24

Part Numbers

Part Number	Module Density	Voltage (VDD)	Memory Clock/Data Bit Rate	Banking Configuration	Component Configuration
BL25664FN1608	2GB	1.65V	1.25ns/1600 MT/s	Dual	128 Meg x 8
BL25664FN1869	2GB	1.65V	1.07ns/1866 MT/s	Dual	128 Meg x 8
BL25664FN2139	2GB	1.65V	0.93ns/2133 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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