



DDR3 UNBUFFERED SDRAM DIMM

BL25664STOB - 2GB Orange/Blue LED

BL25664STRG - 2GB Red/Green LED

Features

- 240-pin, unbuffered dual in-line memory module (UDIMM)
- Physical dimensions are compliant to JEDEC MO-269B
- Fast data transfer rates: PC3-10600 and PC3-12800
- 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 heat spreader
- 1.18" (30mm) PCB Height
- XMP Profiles Programmed to SPD
- On-board I²C temperature sensor with integrated serial presence-detect (SPD) EEPROM



- Compatible with the **Ballistix™ MOD Utility**
- Ground effect and top edge dual-colored LED's showing memory activity.
- Custom on-the-fly LED pattern selection and light intensity with on/off option
- Thermal sensor allowing real-time temperature monitoring and historical data generation
- Module Voltage and Uptime monitor

Timing Parameters

Module Marking	Module Bandwidth	Latency (CL - 'RCD - 'RP)
1608	12.8 GB/s	8 - 8 - 8 - 24*

* Performance is verified during testing.

Part Numbers

Part Number	Module Density	Voltage (VDD)	Memory Clock/ Data Bit Rate	Banking Configuration	Component Configuration
BL25664STOB1608	2GB	1.65V	1.25ns/1600 MT/s	Dual	128 Meg x 8
BL25664STRG1608	2GB	1.65V	1.25ns/1600 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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