



DDR2 UNBUFFERED SDRAM DIMM

BL25664AR

Features

- 240-pin dual in-line memory module (DIMM)
- Fast data transfer rates: PC2-6400
- 2GB (256 Meg x 64)
- Exclusively designed for high-performance systems
- Critical performance parameters tested for functionality
- Speed verification performed in-system
- VDD = +2.0V ±0.1V, VDDQ = +2.0V ±0.1V
- VDDSPD = +1.7V to +3.6V
- Differential data strobe (DQ, DQS#) option
- Four-bit prefetch architecture
- Auto Refresh (CBR) and Self Refresh Mode
- 7.8125µs maximum average periodic refresh interval
- 64ms, 8,192-cycle refresh
- On-die termination (ODT)
- Serial Presence Detect (SPD) with EEPROM
- Gold edge contacts
- Aluminum heat spreader
- Red LEDs showing memory activity
- Red ground effects LEDs
- 1.18" (30mm) PCB Height



Timing Parameters

Module Marking	Module Bandwidth	Latency (CL - tRCD - tRP - tRAS)
80A	6.4 GB/s	4 - 4 - 4 - 12 *

*Performance is verified during testing

Part Numbers

Part Number	Module Density	Memory Clock/ Data Bit Rate	Banking Configuration	Component Configuration
BL25664AR80A	2GB	2.5ns/800 MT/s	Dual	128 Meg x 8



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