

KCP316NS8/4

Kingston 4GB DDR3-1600MHz Module Single Rank Desktop Memory Module

Product Overview

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Specifications

Overview:

This document describes ValueRAM's 512M x 64-bit (4GB) DDR3-1600 CL11 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 512M x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR3-1600 timing of 11-11-11 at 1.5V. This 240-pin DIMM uses gold contact fingers.

Features:

- JEDEC standard 1.5V (1.425V ~1.575V) Power Supply
- VDDQ = 1.5V (1.425V ~ 1.575V)
- 800MHz fCK for 1600Mb/sec/pin
- 8 independent internal bank
- Programmable CAS Latency: 11, 10, 9, 8, 7, 6
- Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- 8-bit pre-fetch
- Burst Length: 8 (Interleave without any limit, sequential with starting address "000" only), 4 with tCCD = 4 which does not allow seamless read or write [either on the fly using A12 or MRS]
- Bi-directional Differential Data Strobe
- Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm +/- 1%)
- On Die Termination using ODT pin
- Average Refresh Period 7.8us at lower than TCASE 85 degreesC, 3.9us at 85 degreesC < TCASE < 95 degreesC
- Asynchronous Reset
- PCB: Height 0.740" (18.75mm) or 1.180" (30.00mm)

Specifications:

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Product Specification Sheet

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Specifications

Product Code	KCP316NS8/4
CL(IDD)	11 cycles
Row Cycle Time (tRCmin)	48.125ns (min.)
Refresh to Active/Refresh Command Time (tRFCmin)	260ns (min.)
Row Active Time (tRASmin)	35ns (min.)
Maximum Operating Power	TBD W
UL Rating	94 V - 0

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/KCP316NS8-4-Kingston-4GB-DDR3-1600MHz-Module-Single-Buy-p-178730.php>

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