Memory Module Specifications



KVR1333D3N9HK2/8G

8G (4GB 2Rx8 512M x 64-Bit x 2 pcs.) PC3-10600 CL9 240-Pin DIMM Kit

Important Information: The module defined in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here.

DESCRIPTION

ValueRAM's KVR1333D3N9HK2/8G is a kit of two 512M x 64-bit (4GB) DDR3-1333 CL9 SDRAM (Synchronous DRAM), 2Rx8 memory modules, based on sixteen 256M x 8-bit FBGA components per module. Total kit capacity is 8GB. The SPD's are programmed to JEDEC standard latency DDR3-1333 timing of 9-9-9. Each 240-pin DIMM uses gold contact fingers. The electrical and mechanical specifications are as follows:

FEATURES

- JEDEC standard 1.5V (1.425V ~1.575V) Power Supply
- VDDQ = 1.5V (1.425V ~ 1.575V)
- 667MHz fCK for 1333Mb/sec/pin
- 8 independent internal bank
- Programmable CAS Latency: 9, 8, 7, 6
- Programmable Additive Latency: 0, CL 2, or CL 1 clock
- Programmable CAS Write Latency(CWL) = 7 (DDR3-1333)
- 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°C, 3.9us at 85°C < TCASE ≤ 95°C
- Asynchronous Reset
- PCB Height: 1.18" (30mm), double sided component

SPECIFICATIONS

9 cycles
49.5ns (min.)
160ns (min.)
36ns (min.)
2.400 W* (per module)
94 V - 0
0° C to 85° C
-55° C to +100° C

^{*}Power will vary depending on the SDRAM used.

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MODULE DIMENSIONS:





