

KVR1333D3S8E9SK2/4G

4GB (2GB 1Rx8 256M x 72-Bit x 2 pcs.) PC3-10600 CL9 240-Pin ECC 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 KVR1333D3S8E9SK2/4G is a kit of two 256M x 72-bit (2GB) DDR3-1333 CL9 SDRAM (Synchronous DRAM), 1Rx8, ECC memory modules, based on nine 256M x 8-bit FBGA components per module. Total kit capacity is 4GB. 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
- Thermal Sensor Grade B
- 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), single sided component

SPECIFICATIONS

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

*Power will vary depending on the SDRAM used.

MODULE DIMENSIONS:





