

## KVR1066D3D8R7SK3/6GI

### 6GB (2GB 256M x 72-Bit x 3 pcs.) PC3-8500

### CL7 Registered w/Parity 240-Pin DIMM Kit

#### DESCRIPTION:

ValueRAM's KVR1066D3D8R7SK3/6GI is a kit of three 256M x 72-bit 2GB (2048MB) DDR3-1066MHz CL7 SDRAM (Synchronous DRAM) registered w/parity, (Intel® Compatibility Tested), dual-rank memory modules, based on eighteen 128M x 8-bit DDR3-1066MHz FBGA components per module. Total kit capacity is 6GB (6144MB). Each SPD is programmed to JEDEC standard latency 1066MHz timing of 7-7-7 at 1.5V. Each 240-pin DIMM uses gold contact fingers and requires +1.5V. The electrical and mechanical specifications are as follows:

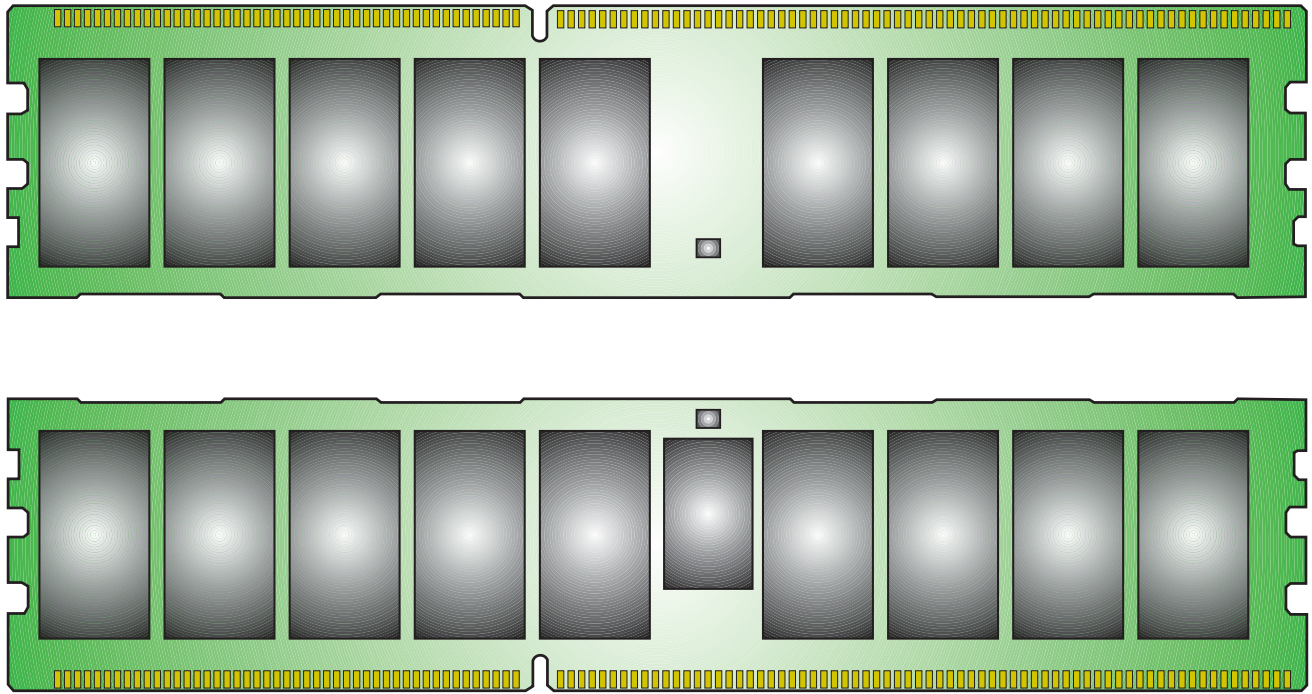
#### FEATURES:

- ☑ JEDEC standard 1.5V ± 0.075V Power Supply
- ☑ VDDQ = 1.5V ± 0.075V
- ☑ 533MHz fCK for 1066Mb/sec/pin
- ☑ 8 independent internal bank
- ☑ Programmable CAS Latency: 6,7,8,9,10
- ☑ Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- ☑ Programmable CAS Write Latency(CWL) = 6(DDR3-1066)
- ☑ 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
- ☑ On-DIMM thermal sensor (Grade B)
- ☑ Average Refresh Period 7.8us at lower then TCASE 85°C, 3.9us at 85°C < TCASE . 95°C
- ☑ Asynchronous Reset
- ☑ PCB : Height 1.180" (30.00mm), double sided component

#### PERFORMANCE:

- |  |                                |
|--|--------------------------------|
| ☑ CL(IDD)  | 7 cycles                       |
| ☑ Row Cycle Time (tRCmin)                          | 50.625ns (min.)                |
| ☑ Refresh to Active/Refresh Command Time (tRFCmin) | 110ns (min.)                   |
| ☑ Row Active Time (tRASmin)                        | 37.5ns (min.)                  |
| ☑ Power  | 3.195 W (operating per module) |
| ☑ UL Rating  | 94 V - 0                       |
| ☑ Operating Temperature                            | 0° C to 85° C                  |
| ☑ Storage Temperature                              | -55° C to +100° C              |

**MODULE DIMENSIONS:**



(units = millimeters)

