Memory Module Specifications



KVR26S19S8/8

8GB 1Rx8 1G x 64-Bit PC4-2666 CL19 260-Pin SODIMM

DESCRIPTION

This document describes ValueRAM's KVR26S19S8/8 is a 1G x 64-bit (8GB) DDR4-2666 CL19 SDRAM (Synchronous DRAM), 1Rx8, non-ECC, memory module, based on eight 1G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR4-2666 timing of 19-19-19 at 1.2V. This 260-pin DIMM uses gold contact fingers. The electrical and mechanical specifications are as follows:

FEATURES

- Power Supply: VDD = 1.2V Typical
- VDDQ = 1.2V Typical
- VPP = 2.5V Typical
- VDDSPD = 2.2V to 3.6V
- Nominal and dynamic on-die termination (ODT) for data, strobe, and mask signals
- Low-power auto self refresh (LPASR)
- · Data bus inversion (DBI) for data bus
- On-die VREFDQ generation and calibration
- · Single-rank
- On-board I2 serial presence-detect (SPD) EEPROM
- 16 internal banks; 4 groups of 4 banks each
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the mode register set (MRS)
- Selectable BC4 or BL8 on-the-fly (OTF)
- Fly-by topology
- · Terminated control command and address bus
- PCB: Height 1.18" (30.00mm)
- · RoHS Compliant and Halogen-Free

SPECIFICATIONS

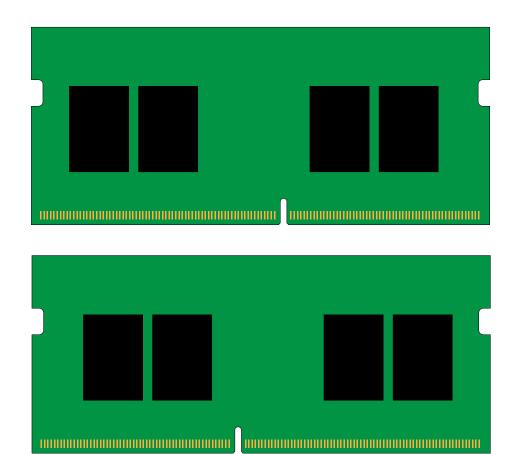
| CL(IDD) | 19 cycles |
|--|-------------------|
| Row Cycle Time (tRCmin) | 45.75ns(min.) |
| Refresh to Active/Refresh Command Time (tRFCmin) | 350ns(min.) |
| Row Active Time (tRASmin) | 32ns(min.) |
| Maximum Operating Power | TBD W* |
| UL Rating | 94 V - 0 |
| Operating Temperature | 0° C to +85° C |
| Storage Temperature | -55° C to +100° C |
| | |

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

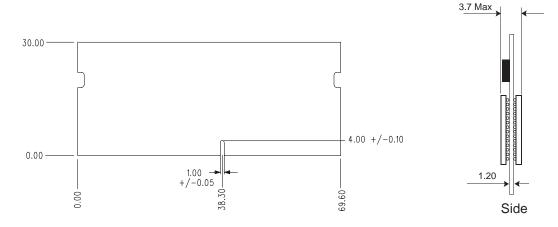
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MODULE DIMENSIONS



All measurements are in millimeters. (Tolerances on all dimensions are ±0.12 unless otherwise specified)



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