KSM26ED8/16ME

16GB 2Rx8 2G x 72-Bit PC4-2666
CL19 288-Pin DIMM

DESCRIPTION

Kingston's KSM26ED8/16ME is a 2G x 72-bit (16GB) DDR4-2666 CL19 SDRAM (Synchronous DRAM), 2Rx8, ECC, memory module, based on eighteen 1G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR4-2666 timing of 19-19-19 at 1.2V. Each 288-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

- Dual-rank

- On-board I2 serial presence-detect (SPD) EEPROM

- Temperature sensor with integrated SPD

- 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 1.23" (31.25mm)

- RoHS Compliant and Halogen-Free

SPECIFICATIONS

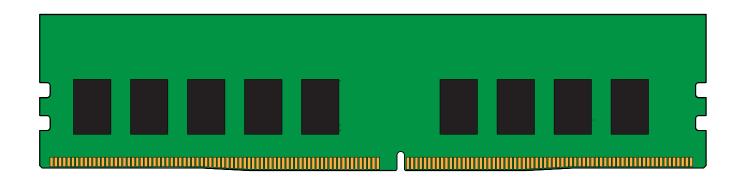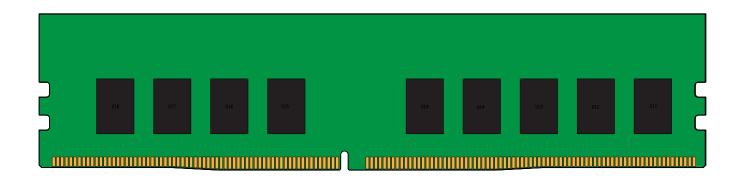|	
CL(IDD)	19 cycles
Row Cycle Time (tRCmin)	45.75ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	350ns(min.)
Row Active Time (tRASmin)	32ns(min.)
Maximum Operating Power	TBD W*
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

*Power will vary depending on the SDRAM used.

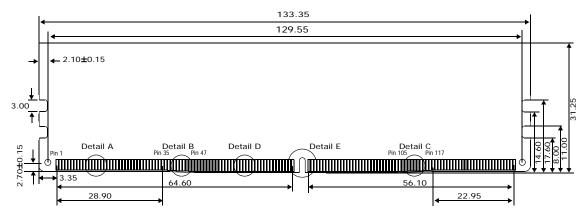### Module Assembly

DRAM: MICRON (E-DIE)

MODULE DIMENSIONS

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

133.35
129.55
2.10±0.15
3.00
31.25
14.60
17.60
8.00
11.00
2.70±0.15

Pin 1   Detail A   Detail B   Pin 47   Detail D   Detail E   Pin 105   Detail C   Pin 117
Pin 35

3.35
64.60
56.10
28.90
22.95

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