

Memory Module Specifications

KSM26RD4/64HCR

64GB 2Rx4 8G x 72-Bit PC4-2666

CL19 Registered w/Parity 288-Pin DIMM

DESCRIPTION

Kingston's KSM26RD4/64HCM is a 8G x 72-bit (64GB) DDR4-2666 CL19 SDRAM (Synchronous DRAM) registered w/ parity, 2Rx4, ECC, memory module, based on thirty-six 4G x 4-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
- VDDQ = 1.2V
- VPP = 2.5V
- VDDSPD = 2.41V to 2.75V
- Functionality and operations comply with the DDR4 SDRAM datasheet
- 16 internal banks
- Bank Grouping is applied, and CAS to CAS latency (tCCD_L, tCCD_S) for the banks in the same or different bank group accesses are available
- Data transfer rates: PC4-2666, PC4-2400, PC4-2133, PC4-1866, PC4-1600
- Bi-Directional Differential Data Strobe
- 8 bit pre-fetch
- Burst Length (BL) switch on-the-fly BL8 or BC4(Burst Chop)
- Supports ECC error correction and detection
- On-Die Termination (ODT)
- Temperature sensor with integrated SPD
- This product is in compliance with the RoHS directive.
- Per DRAM Addressability is supported
- Internal Vref DQ level generation is available
- Write CRC is supported at all speed grades
- CA parity (Command/Address Parity) mode is supported

SPECIFICATIONS

CL(IDD)	19 cycles
Row Cycle Time (tRCmin)	46.25ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	350ns(min.)
Row Active Time (tRASmin)	32ns(min.)
Maximum Operating Power	*
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

*See IDD Specifications (page 2)

Module Assembly

DRAM: HYNIX (C-DIE)

RCD: Rambus

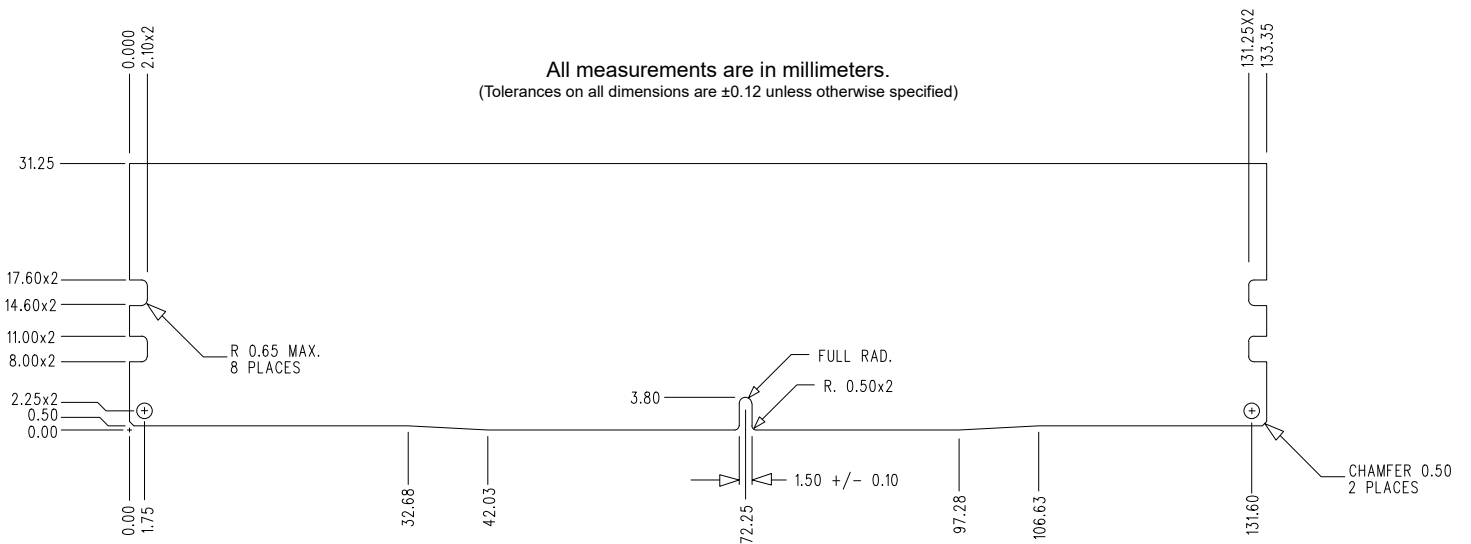
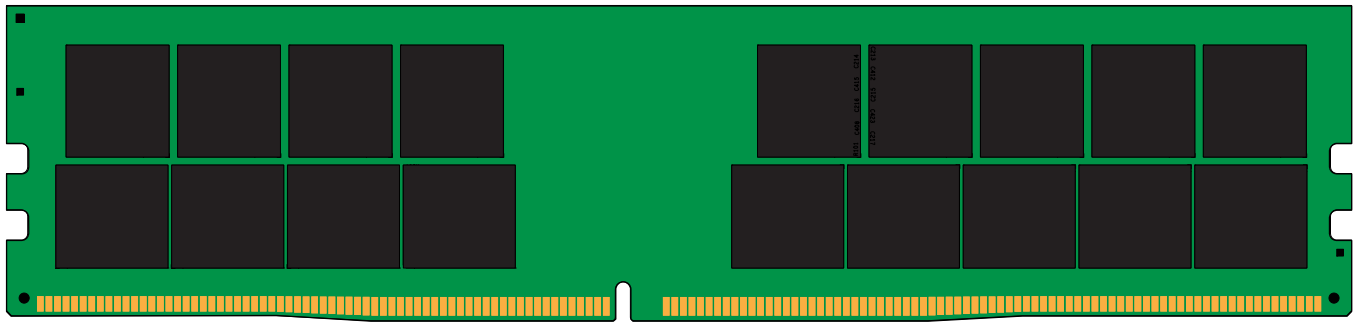
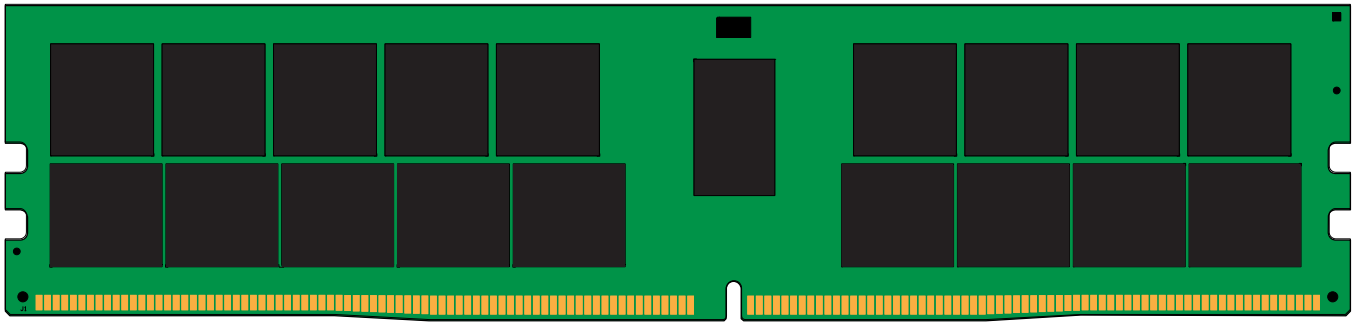
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IDD Specifications

IDD		unit
Symbol	2666	
IDD0	1630	mA
IDD0A	1631	mA
IDD1	1794	mA
IDD1A	1859	mA
IDD2N	1488	mA
IDD2NA	1488	mA
IDD2NT	1617	mA
IDD2NL	1177	mA
IDD2NG	1471	mA
IDD2ND	1410	mA
IDD2NP	1523	mA
IDD2P	975	mA
IDD2Q	1413	mA
IDD3N	1744	mA
IDD3NA	1806	mA
IDD3P	1291	mA
IDD4R	2582	mA
IDD4RA	2620	mA
IDD4RB	2582	mA
IDD4W	2515	mA
IDD4WA	2586	mA
IDD4WB	2412	mA
IDD4WC	2523	mA
IDD4WP	2948	mA
IDD5B	10014	mA
IDD5F2	7188	mA
IDD5F4	5978	mA
IDD6N	1221	mA
IDD6E	2084	mA
IDD6R	569	mA
IDD6A	2086	mA
IDD7	4011	mA
IDD8	356	mA

IPP		unit
Symbol	2666	
IPP0	64	mA
IPP1	65	mA
IPP2N	48	mA
IPP2P	48	mA
IPP3N	56	mA
IPP3P	56	mA
IPP4R	73	mA
IPP4W	73	mA
IPP5B	988	mA
IPP5F2	686	mA
IPP5F4	557	mA
IPP6N	144	mA
IPP6E	241	mA
IPP6R	76	mA
IPP6A	213	mA
IPP7	405	mA
IPP8	48	mA

MODULE DIMENSIONS



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