

Memory Module Specifications

KSM56T46BS8-16MH

16GB 1Rx8 2G x 72-Bit

PC5-5600 CL46 262-Pin ECC SODIMM

DESCRIPTION

Kingston's KSM56T46BS8-16MH is a 2G x 72-bit (16GB) DDR5-5600 CL46 SDRAM (Synchronous DRAM) w/ parity, 1Rx8, ECC, memory module, based on ten 2G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-5600 timing of 46-45-45 at 1.1V. Each 262-pin SODIMM uses gold contact fingers. The electrical and mechanical specifications are as follows:

FEATURES

- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- x72 ECC (x36, 2 independent I/O sub channels)
- 32 internal banks
- Hard/Soft Post Package Repair
- Sideband access with I3C/I2C
- PCB: Height 1.18" (30mm)
- RoHS Compliant and Halogen-Free

SPECIFICATIONS

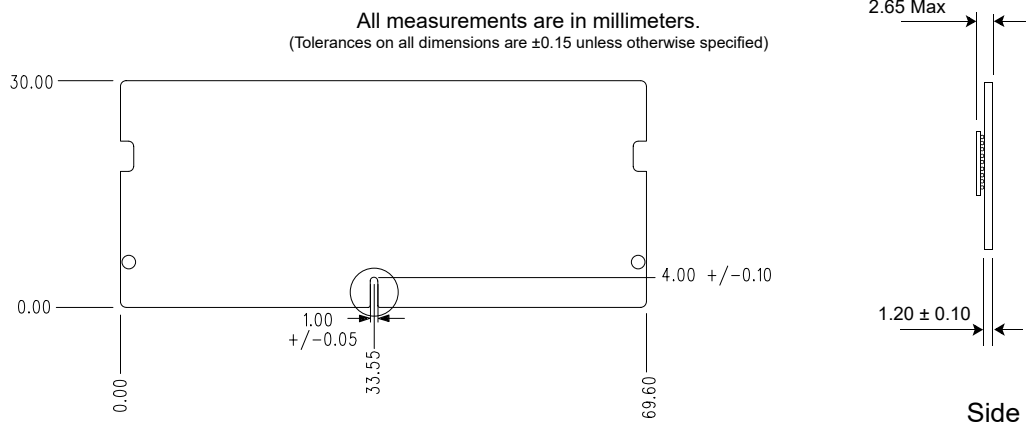
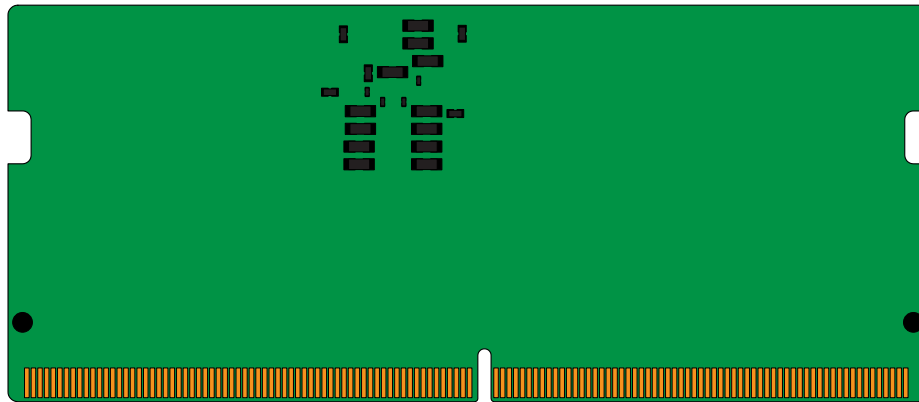
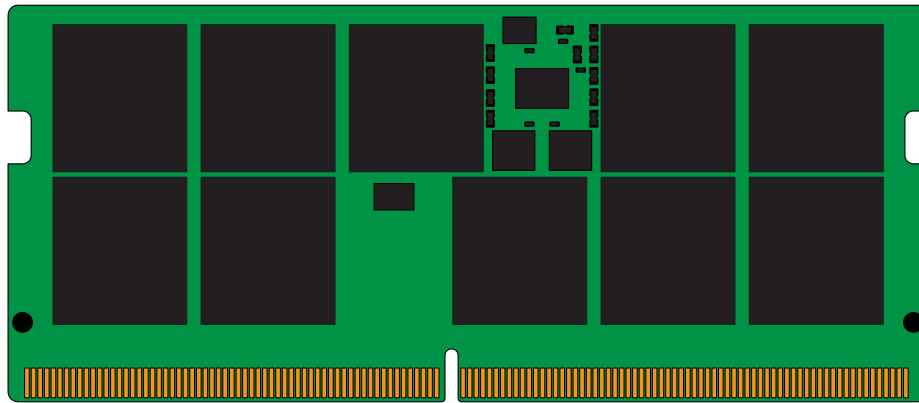
CL	46 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
Row Precharge Time (tRPmin)	16ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +95° C
Storage Temperature	-55° C to +100° C

Module Assembly

DRAM: MICRON (H-DIE)

Continued >>

MODULE DIMENSIONS



The product images shown are for illustration purposes only and may not be an exact representation of the product.
Kingston reserves the right to change any information at anytime without notice.