KSM48R40BD4TMI-64HAI

64GB 2Rx4 8G x 80-Bit
PC5-4800 CL40 Registered EC8 288-Pin DIMM

DESCRIPTION

Kingston's KSM48R40BD4TMI-64HAI is a 8G x 80-bit (64GB) DDR5-4800 CL40 SDRAM (Synchronous DRAM), 2Rx4, ECC, memory module, based on forty 4G x 4-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM 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
- x80 ECC (x40, 2 independent I/O sub channels)
- 32 internal banks
- Hard/Soft Post Package Repair
- Sideband access with I3C/I2C
- PCB: Height 1.23” (31.25mm)
- RoHS Compliant and Halogen-Free

SPECIFICATIONS

CL(IDD)	40 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: HYNIX (A-Die)
RCD: IDT/Renesas
PMIC: TI
SPD Hub: Montage
TS: IDT/Renesas

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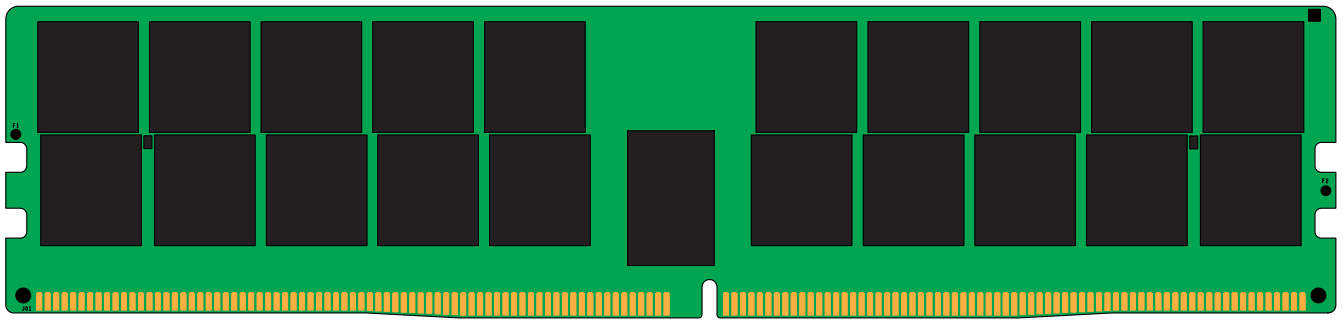
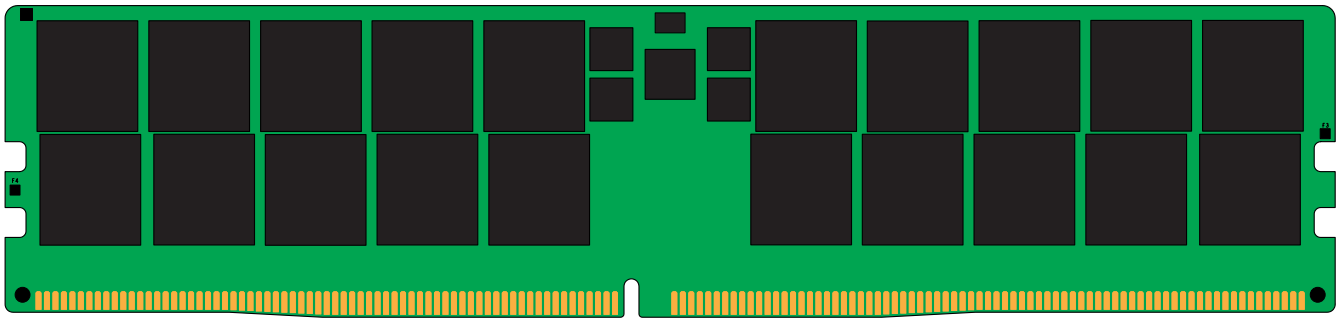
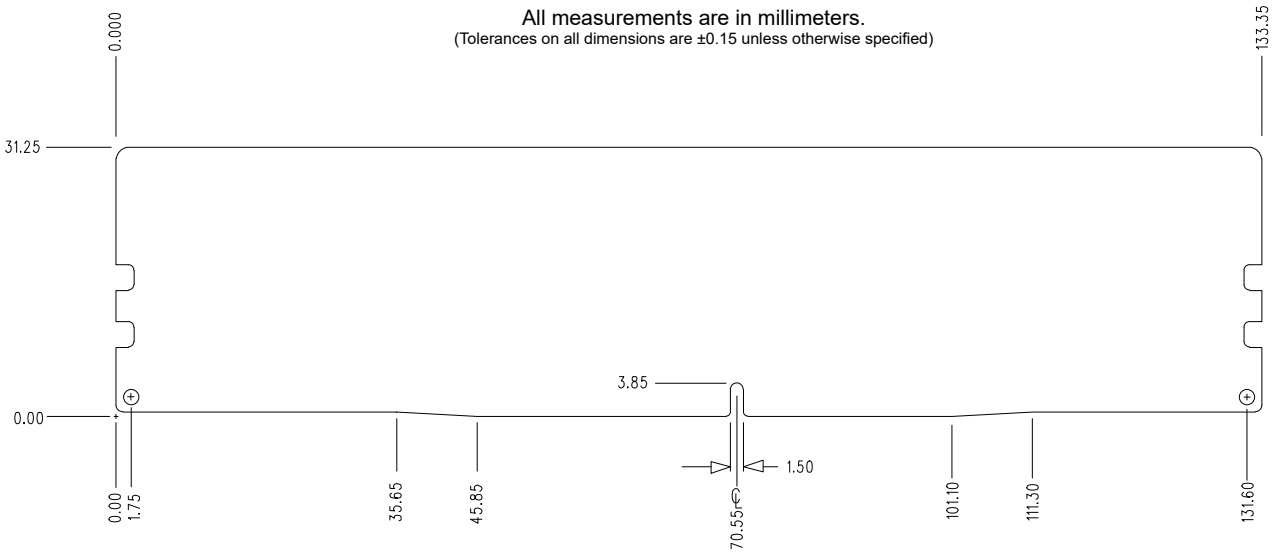
MODULE DIMENSIONS







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Revision No.	History	Release Date	Remark	Editor	Approved
A	Initial Release	02/08/24		David Y.	Henry N.

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