Memory Module Specifications



KF564C32RS-24

24GB 3G x 64-Bit DDR5-6400 CL32 288-Pin DIMM



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.)
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UL Rating	94 V - 0
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DESCRIPTION

Kingston FURY KF564C32RS-24 is a 3G x 64-bit (24GB) DDR5-6400 CL32 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 3G x 8-bit FBGA components per module. The module supports Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Each module has been tested to run at DDR5-6400 at a low latency timing of 32-39-39 at 1.4V. The SPDs are programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

FEATURES

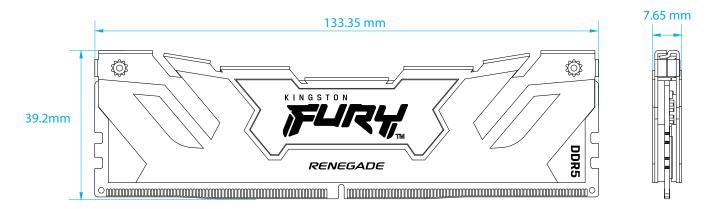
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.54" (39.2mm), w/heatsink

FACTORY TIMING PARAMETERS

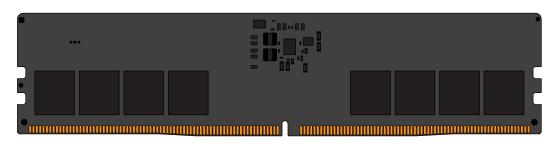
Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
XMP Profile #1: DDR5-6400 CL32-39-39 @1.4V
XMP Profile #2: DDR5-6000 CL32-38-38 @1.35V
XMP Profile #3: DDR5-4800 CL38-38-38 @1.1V

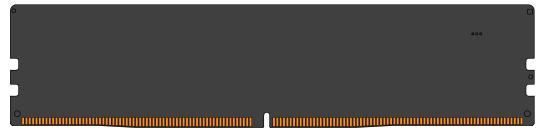


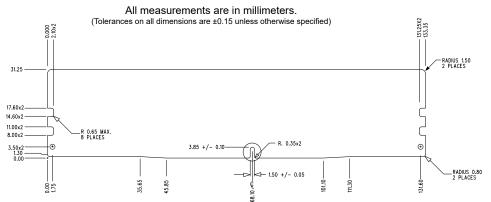
MODULE WITH HEAT SPREADER



MODULE DIMENSIONS







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