

Memory Module Specifications

KF588CU42RS-24

24GB 3G x 64-Bit

DDR5-8800 CL42 288-Pin CUDIMM



DEFAULT SPECIFICATIONS

CL	52 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	410ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

DESCRIPTION

Kingston FURY KF588CU42RS-24 is a 3G x 64-bit (24GB) DDR5-8800 CL42 Clocked Unbuffered DIMMs (CUDIMMs) 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 DDR5-8800 at a low latency timing of 42-58-58 at 1.4V. The SPDs are programmed to JEDEC standard latency DDR5-6400 timing of 52-52-52 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

DEFAULT FEATURES

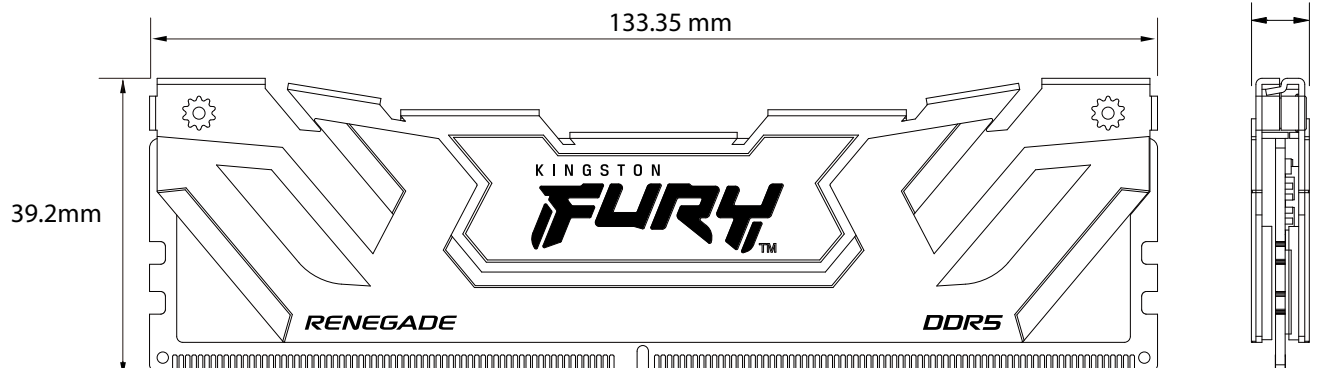
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.54" (39.2mm), w/heatsink

FACTORY TIMING PARAMETERS

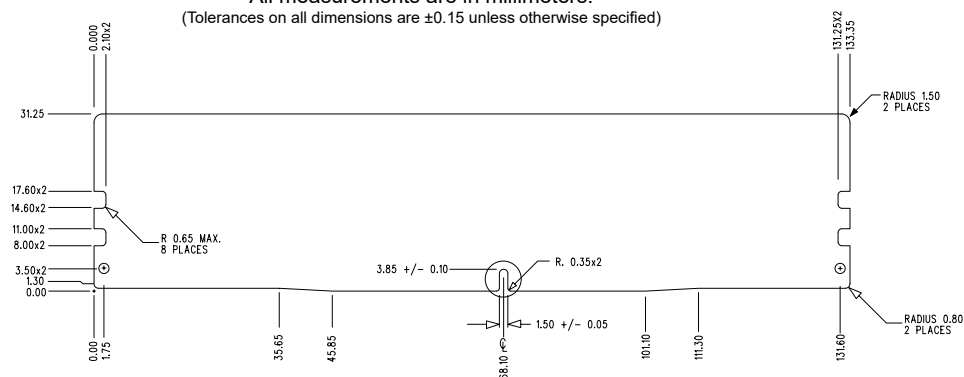
- Default (JEDEC): DDR5-6400 CL52-52-52 @1.1V
- XMP Profile #1: DDR5-8800 CL42-58-58 @1.4V
- XMP Profile #2: DDR5-8400 CL40-52-52 @1.4V

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7.66 mm



All measurements are in millimeters.
(Tolerances on all dimensions are ± 0.15 unless otherwise specified)



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