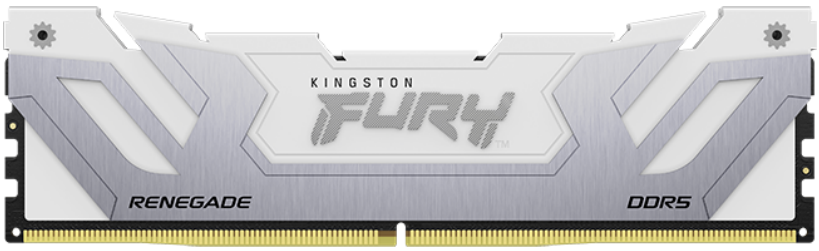
KF588CU42RW-24

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 KF588CU42RW-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 DDR5-8200 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

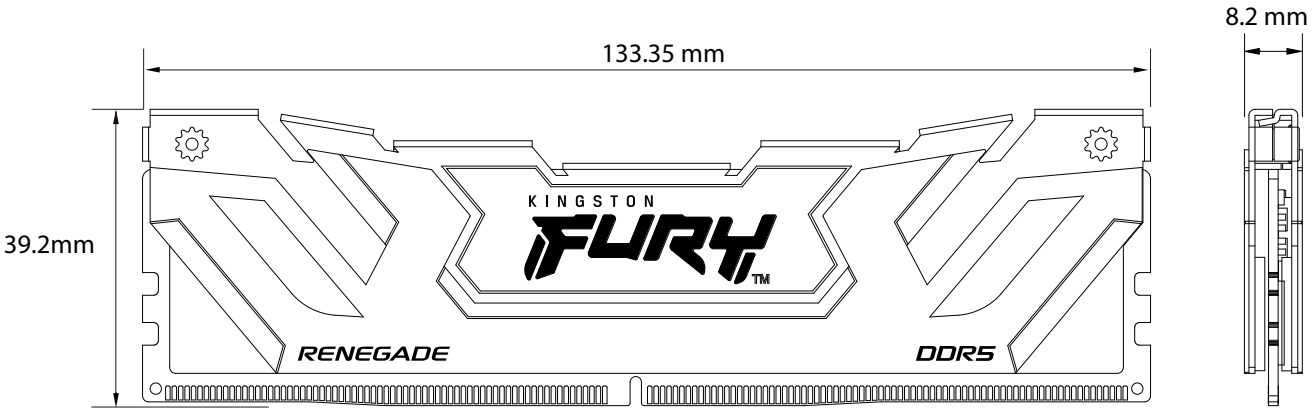
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.54” (39.2mm), w/heatsink

FACTORY TIMING PARAMETERS

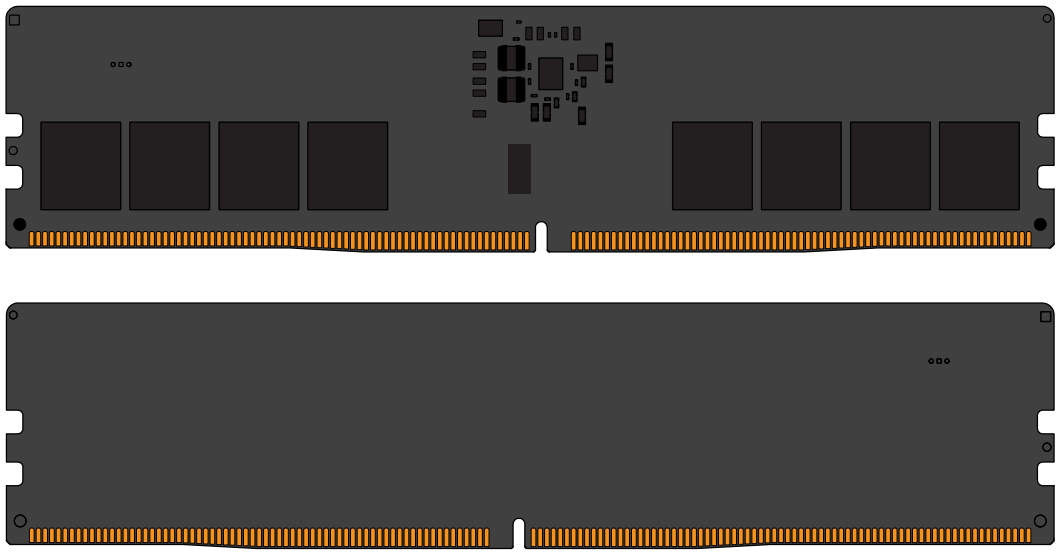
- Default (JEDEC): DDR5-6400 CL52-52-52 @1.1V
- XMP Profile #1: DDR5-8800 CL42-58-58 @1.4V
- XMP Profile #2: DDR5-8400 CL40-52-52 @1.4V

Continued >>

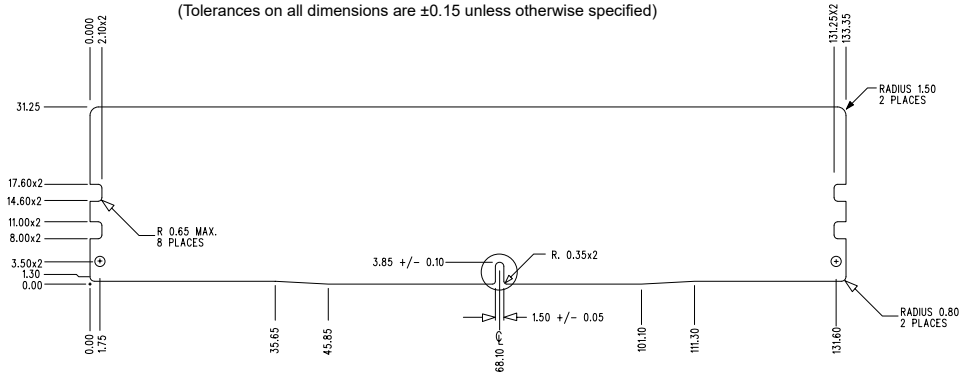
MODULE WITH HEAT SPREADER



MODULE DIMENSIONS



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



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.

FOR MORE INFORMATION, GO TO KINGSTON.COM

All Kingston products are tested to meet our published specifications. Some motherboards or system configurations may not operate at the published Kingston FURY memory speeds and timing settings. Kingston does not recommend that any user attempt to run their computers faster than the published speed. Overclocking or modifying your system timing may result in damage to computer components.

©2025 Kingston Technology Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved.
Kingston FURY and the Kingston FURY logo are trademarks of Kingston Technology Corporation.
All trademarks are the property of their respective owners.