

KF576C38RS-16

16GB 2G x 64-Bit

DDR5-7600 CL38 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.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

DESCRIPTION

Kingston FURY KF576C38RS-16 is a 2G x 64-bit (16GB) DDR5-7600 CL38 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 2G 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 DDR5-7600 at a low latency timing of 38-46-46 at 1.45V. 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: | DDR5-7600 CL38-46-46 @1.45V |
| • XMP Profile #2: | DDR5-7200 CL38-44-44 @1.45V |
| • XMP Profile #3: | DDR5-6800 CL36-42-42 @1.4V |

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Technical drawing of the Kingston Fury Renegade DDR5 memory module. The top view shows a length of 133.35 mm and a height of 2 mm. The side view shows a width of 8.2 mm. The module features the Kingston Fury Renegade logo and the text "DDR5".

The image consists of two grayscale photographs of a laptop's internal hardware. The top photograph shows the underside of the laptop with the battery removed, revealing the motherboard, RAM modules, and various connectors. The bottom photograph shows the top of the laptop with the keyboard and trackpad area.

(Tolerances on all dimensions are ± 0.15 unless otherwise specified)

131.25
133.50
RADIUS 1.50
2 PLACES

17.60x2
14.60x2
11.00x2
8.00x2
3.50x2
1.30
0.00

R 0.65 MAX.
8 PLACES

3.85 ± 0.10
R. 0.35x2
1.50 ± 0.05

0.00 1.75 35.65 45.85 101.10 111.30 131.60

RADIUS 0.80
2 PLACES

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.