KF580C38RSAK2-48
48GB (24GB 3G x 64-Bit x 2 pcs.)
DDR5-8000 CL38 288-Pin DIMM Kit
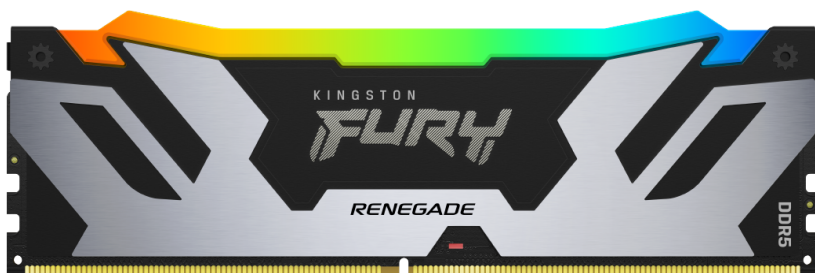
SPECIFICATIONS

CL	46 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 KF580C38RSAK2-48 is a kit of two 3G x 64-bit (24GB) DDR5-8000 CL38 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 3G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Total kit capacity is 48GB. Each module has been tested to run at DDR5-8000 at a low latency timing of 38-48-48 at 1.4V. The SPDs are programmed to JEDEC standard latency DDR5-5600 timing of 46-45-45 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:
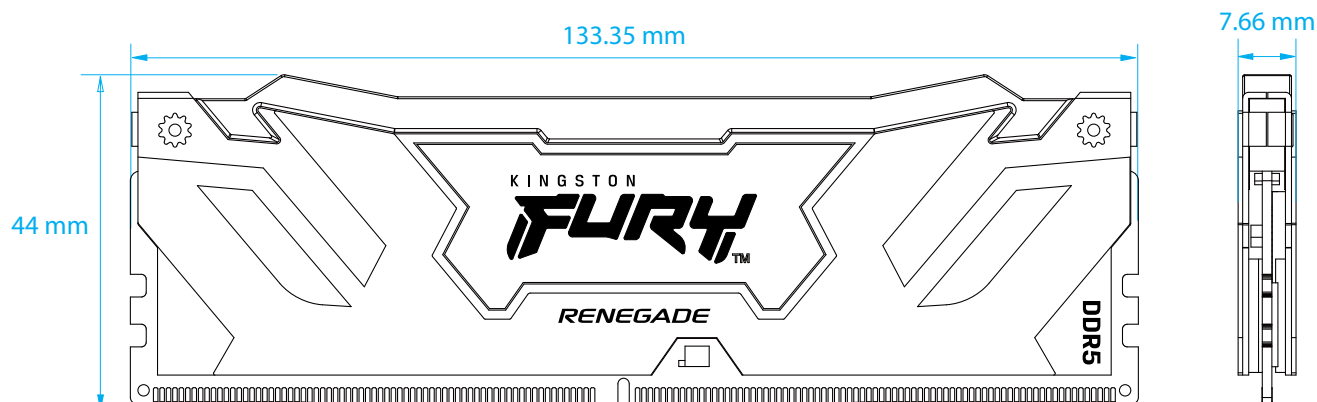
FEATURES

• Power Supply: VDD = 1.1V Typical

• VDDQ = 1.1V Typical

• VPP = 1.8V Typical

• VDDSPD = 1.8V to 2.0V

• On-Die ECC

• Height 1.73" (44.00mm), w/heatsink
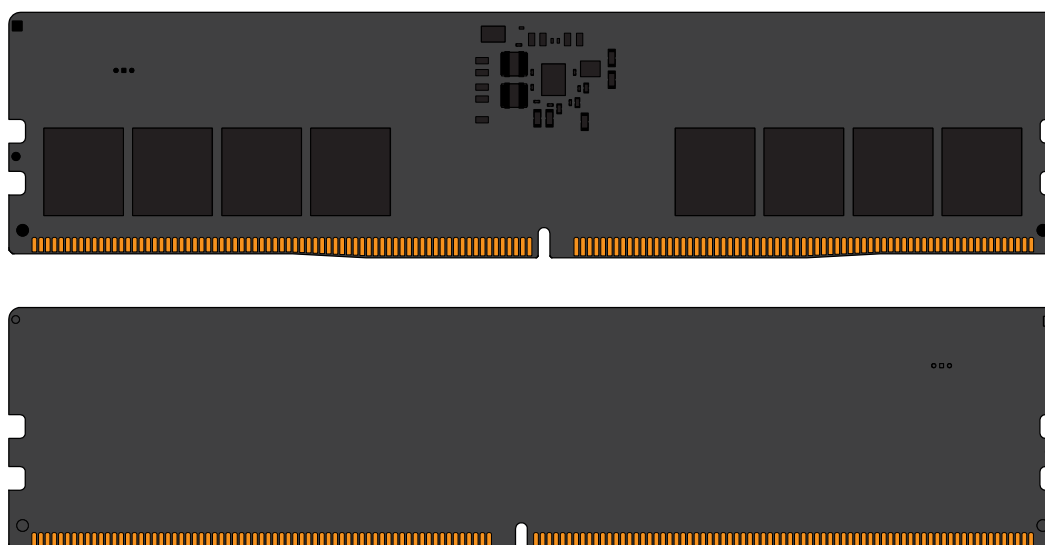
FACTORY TIMING PARAMETERS

• Default (JEDEC):   DDR5-5600 CL46-45-45 @1.1V
• XMP Profile #1:   DDR5-8000 CL38-48-48 @1.4V
• XMP Profile #2:   DDR5-7200 CL38-44-44 @1.4V
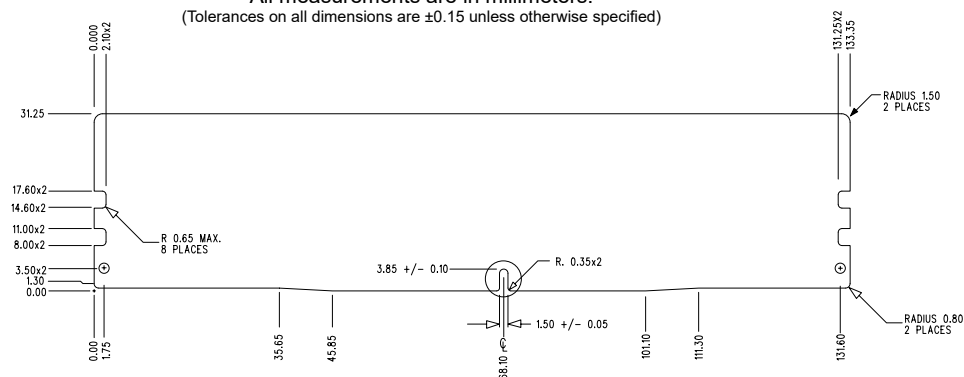
MODULE WITH HEAT SPREADER

133.35 mm

7.66 mm

44 mm

MODULE DIMENSIONS

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

0.000
2.10x2

131.25X2
133.35

31.25

RADIUS 1.50
2 PLACES

17.60x2
14.60x2
11.00x2
8.00x2

R 0.65 MAX.
8 PLACES

3.50x2
1.30
0.00

3.85 +/- 0.10

R. 0.35x2

RADIUS 0.80
2 PLACES

0.00
1.75

35.65
45.85

68.10

1.50 +/- 0.05

101.10
111.30

131.60

The product images shown are for illustration purposes only and may not be an exact representation of the product.
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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.

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