

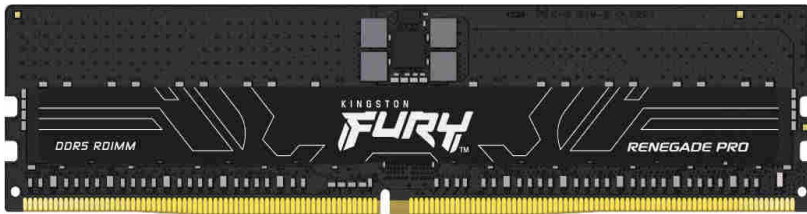


Memory Module Specifications

KF548R36RB-32

32GB 1Rx4 4G x 80-Bit

PC5-4800 CL36 Registered EC8 288-Pin DIMM



DEFAULT SPECIFICATIONS

| | |
|--|-------------------|
| CL(IDD) | 36 cycles |
| Row Cycle Time (tRCmin) | 48ns(min.) |
| Refresh to Active/Refresh Command Time (tRFCmin) | 295ns(min.) |
| Row Active Time (tRASmin) | 29.12ns(min.) |
| Row Precharge Time (tRPmin) | 15.80ns(min.) |
| UL Rating | 94 V - 0 |
| Operating Temperature | 0° C to +95° C |
| Storage Temperature | -55° C to +100° C |

DESCRIPTION

Kingston FURY KF548R36RB-32 is a 4G x 80-bit (32GB) DDR5-4800 CL36 SDRAM (Synchronous DRAM) 1Rx4, ECC memory module, based on twenty 4G x 4-bit FBGA components per module. The module supports Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Each module has been tested to run at DDR5-4800 at a low latency timing of 36-38-38 at 1.1V. Additional timing parameters are shown in the Plug-N-Play (PnP) Timing Parameters section below. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

Note: The PnP feature offers a range of speed and timing options to support the widest variety of processors and chipsets. Your maximum speed will be determined by your BIOS.

FACTORY TIMING PARAMETERS

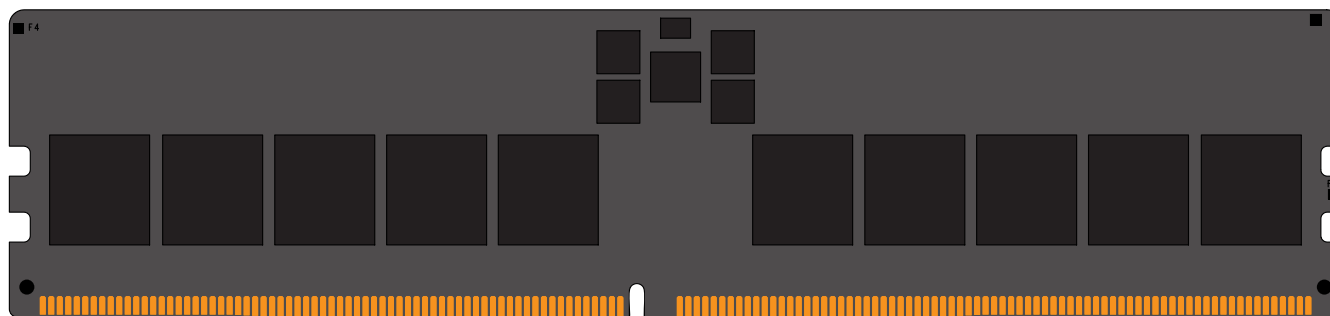
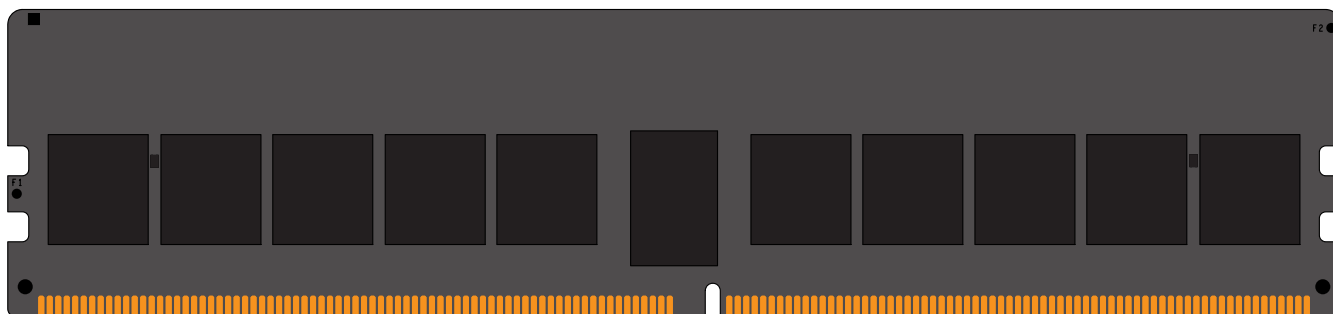
- Default (Plug N Play): DDR5-4800 CL36-38-38 @1.1V
- XMP Profile #1: DDR5-4800 CL36-38-38 @1.1V

DEFAULT FEATURES

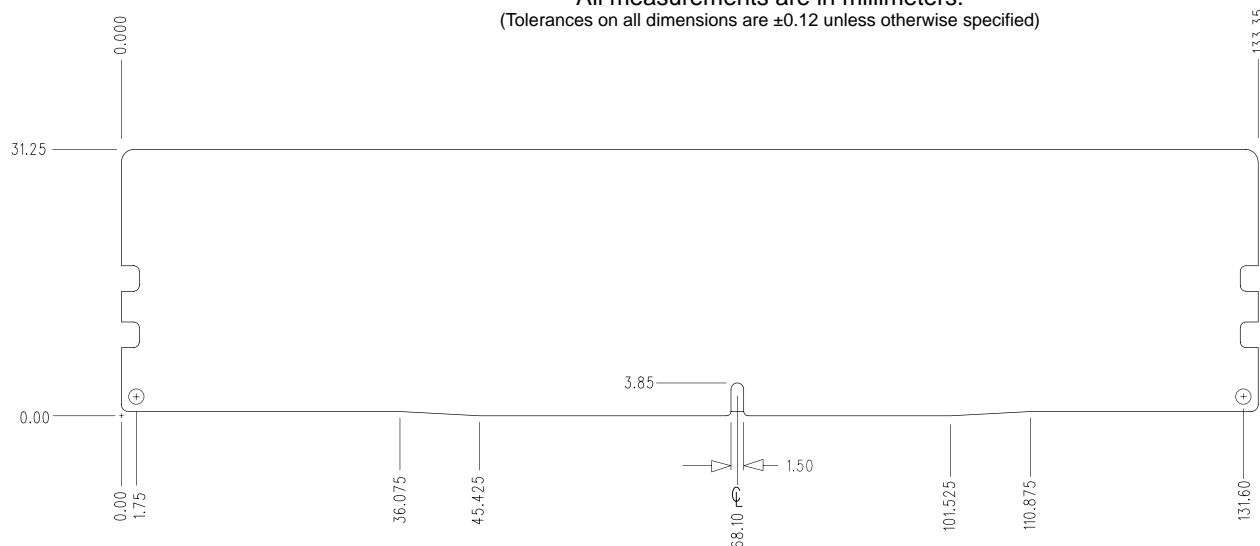
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- x80 ECC (x40, 2 independent I/O sub channels)
- 32 internal banks
- Hard/Soft Post Package Repair
- Sideband access with I3C/I2C
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

Continued >>

MODULE DIMENSIONS



All measurements are in millimeters.
(Tolerances on all dimensions are ± 0.12 unless otherwise specified)



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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.

| Revision No. | History | Release Date | Remark | Editor | Approved |
|--------------|---------------------------|--------------|--------|----------|----------|
| A | Initial Release | 3/16/2023 | | David Y. | Tuan H. |
| B | Change measurements (pg2) | 4/25/2023 | | David Y. | Tuan H. |

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