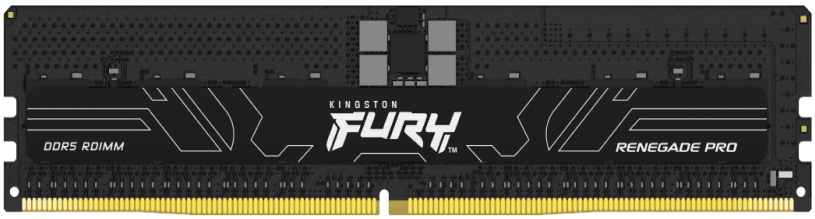
KF560R32RBE-16

16GB 1Rx8 2G x 80-Bit
PC5-6000 CL32 Registered EC8 288-Pin DIMM



DEFAULT 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.)
Row Precharge Time (tRPmin)	16ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +95° C
Storage Temperature	-55° C to +100° C

DESCRIPTION

Kingston FURY KF560R32RBE-16 is a 2G x 80-bit (16GB) DDR5-6000 CL32 SDRAM (Synchronous DRAM) 1Rx8, ECC memory module, based on ten 2G x 8-bit FBGA components per module. The module supports AMD® EXPO v1.1 and Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Each module has been tested to run at DDR5-6000 at a low latency timing of 32-38-38 at 1.35V. 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:

DEFAULT FEATURES

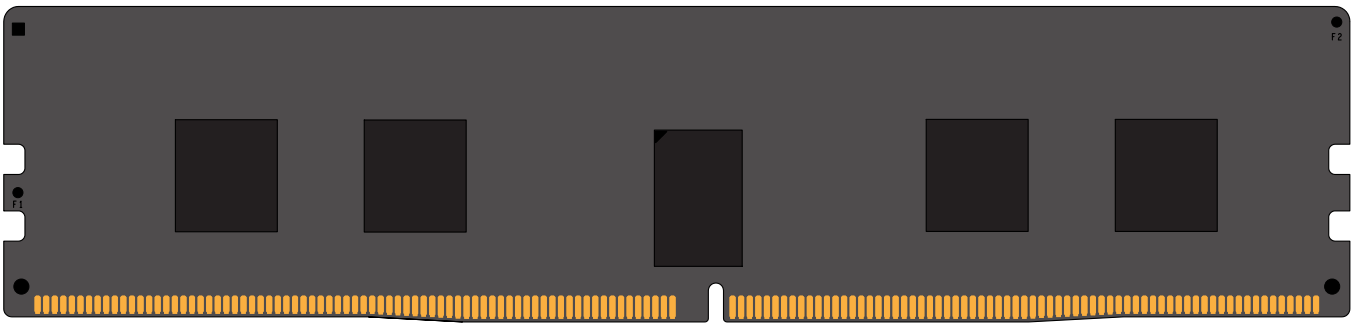
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- x80 ECC (x40, 2 independent I/O sub channels)
- 32 internal banks
- Hard/Soft Post Package Repair
- Sideband access with I3C/I2C
- PCB: Height 1.23” (31.25mm)
- RoHS Compliant and Halogen-Free

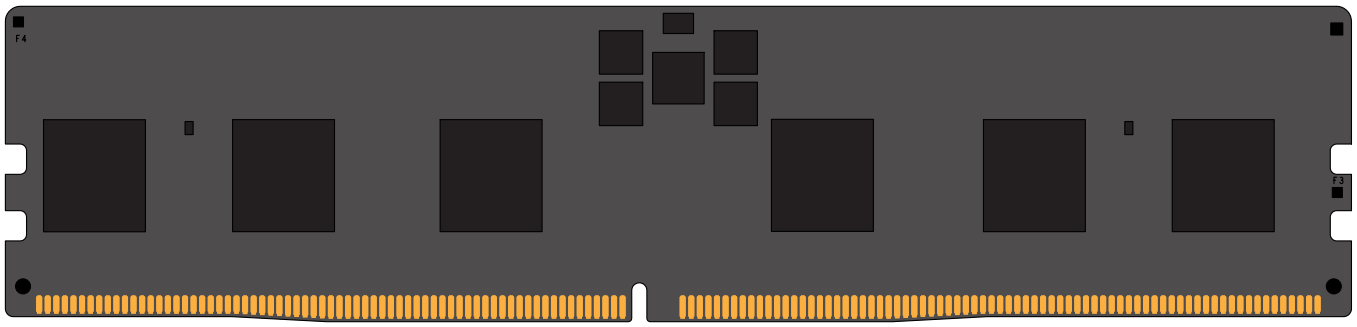
FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- EXPO Profile #1: DDR5-6000 CL32-38-38 @1.35V
- EXPO Profile #2: DDR5-5600 CL36-38-38 @1.25V
- XMP Profile #3: DDR5-6000 CL32-38-38 @1.35V
- XMP Profile #4: DDR5-5600 CL36-38-38 @1.25V

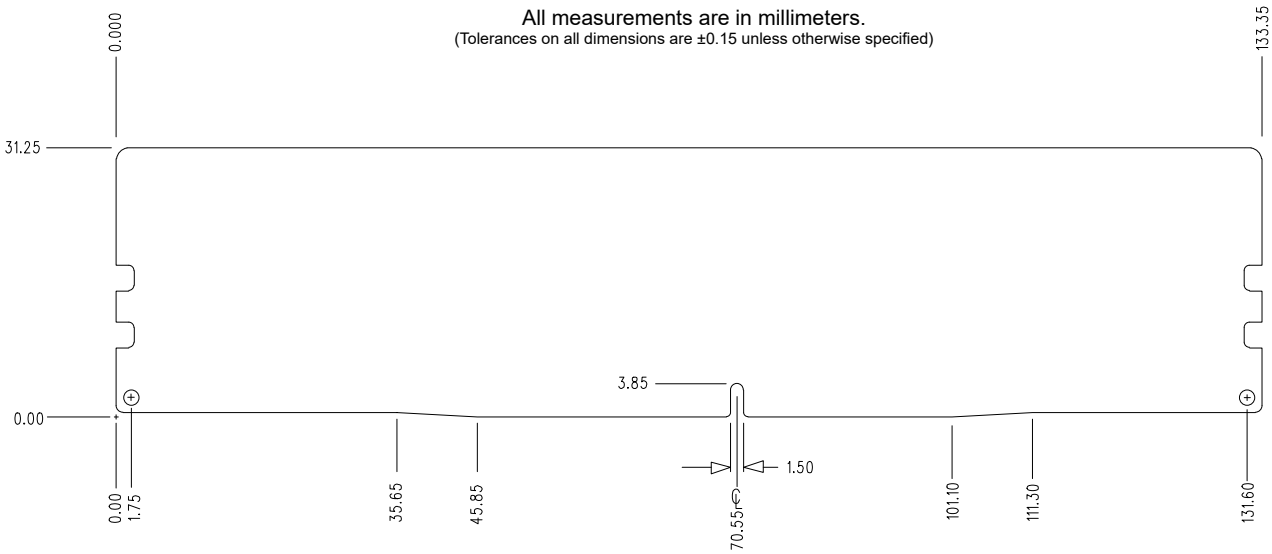
Continued >>

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.