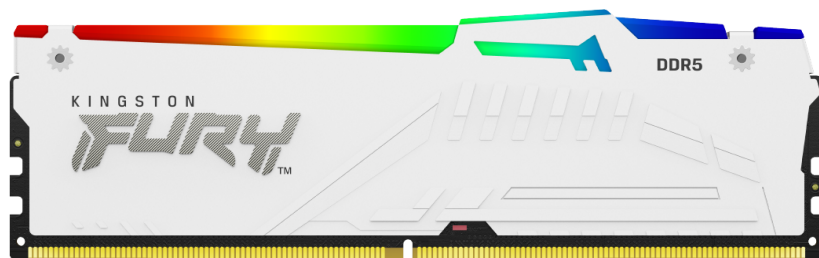


# Memory Module Specifications

## KF560C36BWE2A-16

16GB 2G x 64-Bit

DDR5-6000 CL36 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.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

## DESCRIPTION

Kingston FURY KF560C36BWE2A-16 is a 2G x 64-bit (16GB) DDR5-6000 CL36 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 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 36-44-44 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:

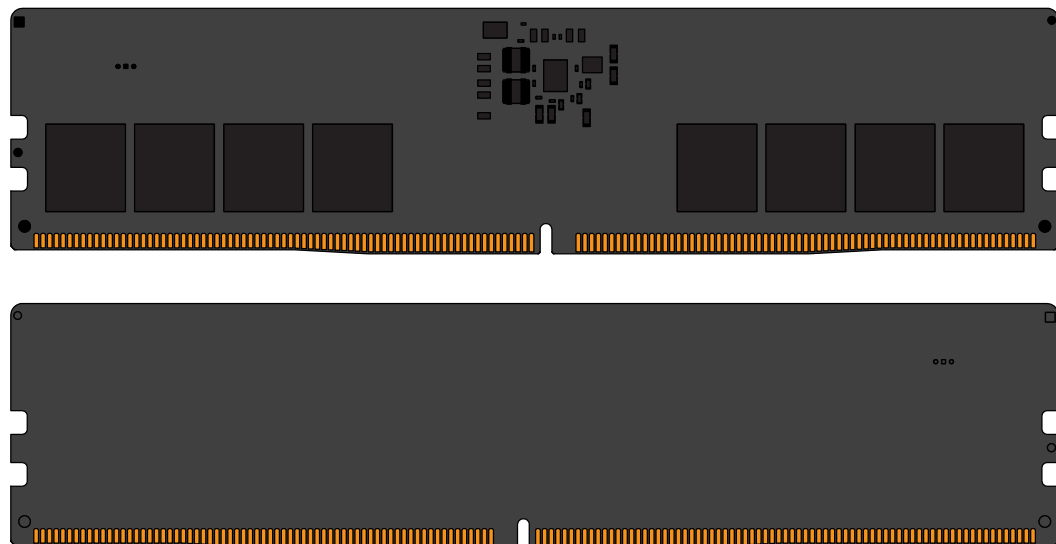
## DEFAULT FEATURES

- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- Height 1.66" (42.23mm), w/heatsink

## FACTORY TIMING PARAMETERS

- Default (JEDEC): DDR5-4800 CL40-39-39 @1.1V
- EXPO Profile #0: DDR5-6000 CL36-44-44 @1.35V
- EXPO Profile #1: DDR5-5600 CL40-40-40 @1.25V
- XMP Profile #1: DDR5-6000 CL36-44-44 @1.35V
- XMP Profile #2: DDR5-5600 CL40-40-40 @1.25V

Continued >>

$7.11 \pm 0.3 \text{ mm}$ 

(Tolerances on all dimensions are  $\pm 0.15$  unless otherwise specified)

Top View Dimensions:

- Overall Width: 131.25
- Overall Height: 31.25
- Top Flange Thickness: 2.00
- Top Flange Inner Radius: R 0.65 MAX. 8 PLACES
- Top Flange Hole Diameter: 17.60x2
- Top Flange Hole Position: 14.60x2
- Top Flange Hole Diameter: 11.00x2
- Top Flange Hole Position: 8.00x2
- Top Flange Hole Diameter: 3.50x2
- Top Flange Hole Position: 1.30
- Top Flange Hole Diameter: 0.00
- Top Flange Hole Position: 0.00
- Top Flange Hole Diameter: 1.75
- Top Flange Hole Position: 0.00
- Top Flange Hole Diameter: 35.65
- Top Flange Hole Position: 45.85
- Top Flange Hole Diameter: 68.10
- Top Flange Hole Position: 101.10
- Top Flange Hole Position: 111.30
- Top Flange Hole Diameter: 131.60
- Top Flange Hole Position: 131.25
- Top Flange Hole Diameter: 131.25
- Top Flange Hole Position: 131.25

Side View Dimensions:

- Overall Width: 131.25
- Overall Height: 31.25
- Top Flange Thickness: 2.00
- Top Flange Inner Radius: R 0.65 MAX. 8 PLACES
- Top Flange Hole Diameter: 17.60x2
- Top Flange Hole Position: 14.60x2
- Top Flange Hole Diameter: 11.00x2
- Top Flange Hole Position: 8.00x2
- Top Flange Hole Diameter: 3.50x2
- Top Flange Hole Position: 1.30
- Top Flange Hole Diameter: 0.00
- Top Flange Hole Position: 0.00
- Top Flange Hole Diameter: 1.75
- Top Flange Hole Position: 0.00
- Top Flange Hole Diameter: 35.65
- Top Flange Hole Position: 45.85
- Top Flange Hole Diameter: 68.10
- Top Flange Hole Position: 101.10
- Top Flange Hole Position: 111.30
- Top Flange Hole Diameter: 131.60
- Top Flange Hole Position: 131.25
- Top Flange Hole Diameter: 131.25
- Top Flange Hole Position: 131.25

FOR MORE INFORMATION, GO TO [KINGSTON.COM](http://KINGSTON.COM)

kingston.com