KF564C32BB-32
32GB 4G x 64-Bit
DDR5-6400 CL32 288-Pin DIMM
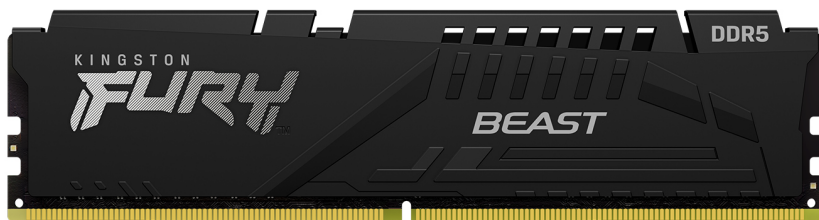
DEFAULT SPECIFICATIONS

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 KF564C32BB-32 is a 4G x 64-bit (32GB) DDR5-6400 CL32 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 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 DDR5-6400 at a low latency timing of 32-39-39 at 1.4V. 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:
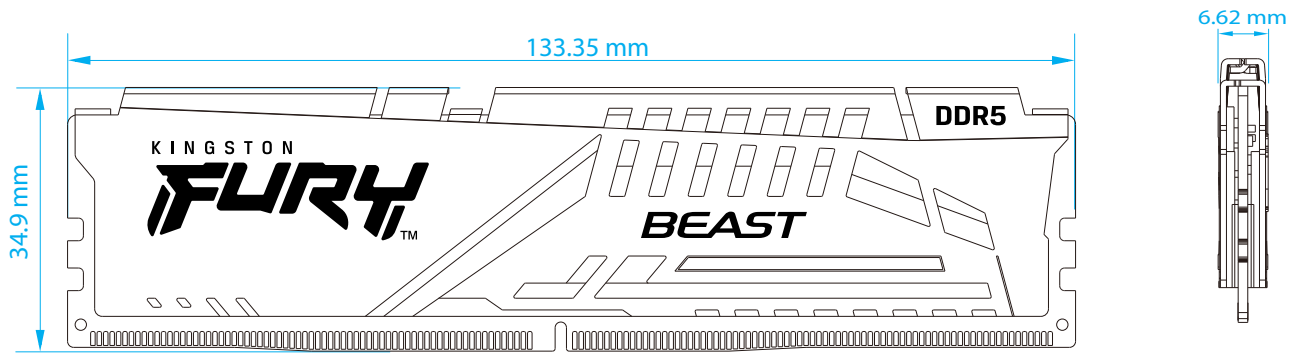
DEFAULT FEATURES

• Power Supply: VDD = 1.1V Typical

• VDDQ = 1.1V Typical

• VPP = 1.8V Typical

• VDDSPD = 1.8V to 2.0V

• On-Die ECC

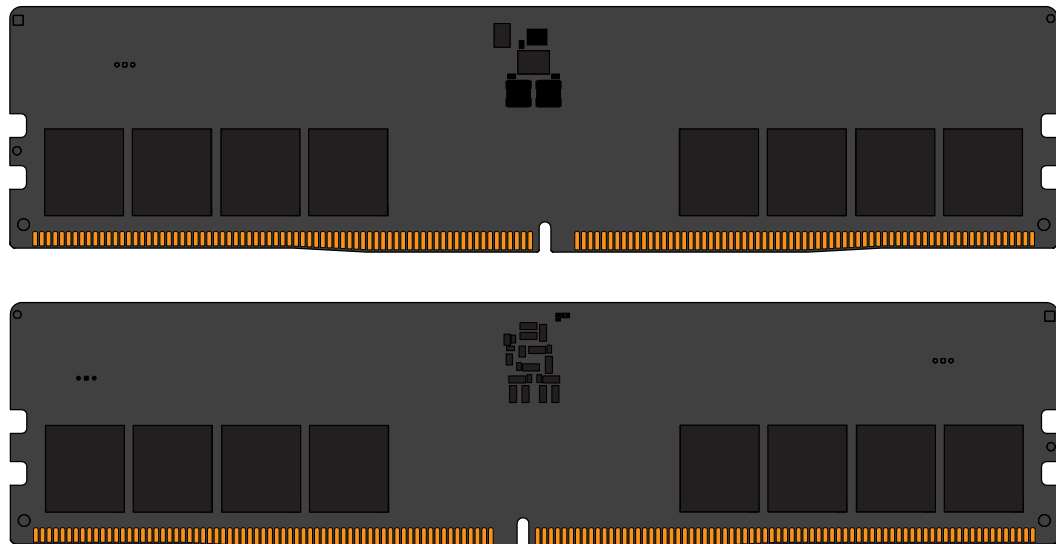• Height 1.37" (34.9mm), w/heatsink

FACTORY TIMING PARAMETERS

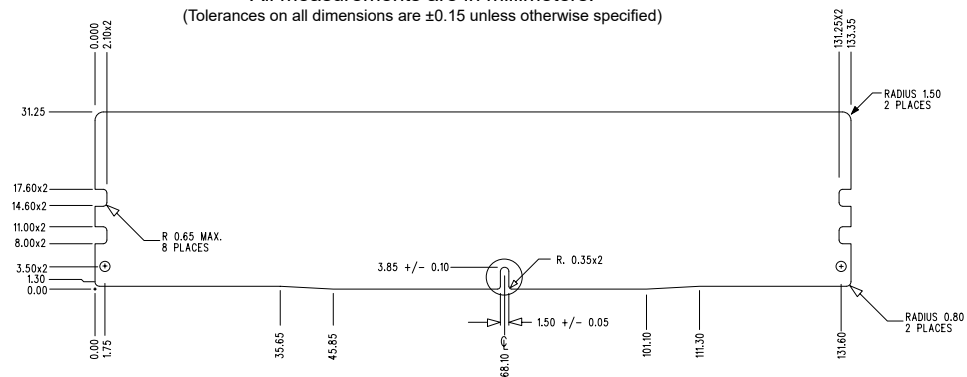|		
• Default (JEDEC):	DDR5-4800 CL40-39-39 @1.1V
• XMP Profile #1:	DDR5-6400 CL32-39-39 @1.4V
• XMP Profile #2:	DDR5-6000 CL30-36-36 @1.4V
• XMP Profile #3:	DDR5-4800 CL38-38-38 @1.1V

MODULE WITH HEAT SPREADER

133.35 mm

34.9 mm

6.62 mm

DDR5

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

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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.