KF432C16RB2AK4/128
128GB (32GB 4G x 64-Bit x 4 pcs.)
DDR4-3200 CL16 288-Pin DIMM Kit

SPECIFICATIONS

CL(IDD)	17 cycles
Row Cycle Time (tRCmin)	45.75ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	350ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +70° C
Storage Temperature	-40° C to +85° C

DESCRIPTION

Kingston FURY KF432C16RB2AK4/128 is a kit of four 4G x 64-bit (32GB) DDR4-3200 CL16 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 2G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0. Total kit capacity is 128GB. Each module has been tested to run at DDR4-3200 at a low latency timing of 16-19-19 at 1.35V. The SPDs are programmed to JEDEC standard latency DDR4-2400 timing of 17-17-17 at 1.2V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

FEATURES

• Power Supply: VDD = 1.2V Typical

• VDDQ = 1.2V Typical

• VPP = 2.5V Typical

• VDDSPD = 2.2V to 3.6V

• On-Die termination (ODT)

• 16 internal banks; 4 groups of 4 banks each

• Bi-Directional Differential Data Strobe

• 8 bit pre-fetch

• Burst Length (BL) switch on-the-fly BL8 or BC4(Burst Chop)

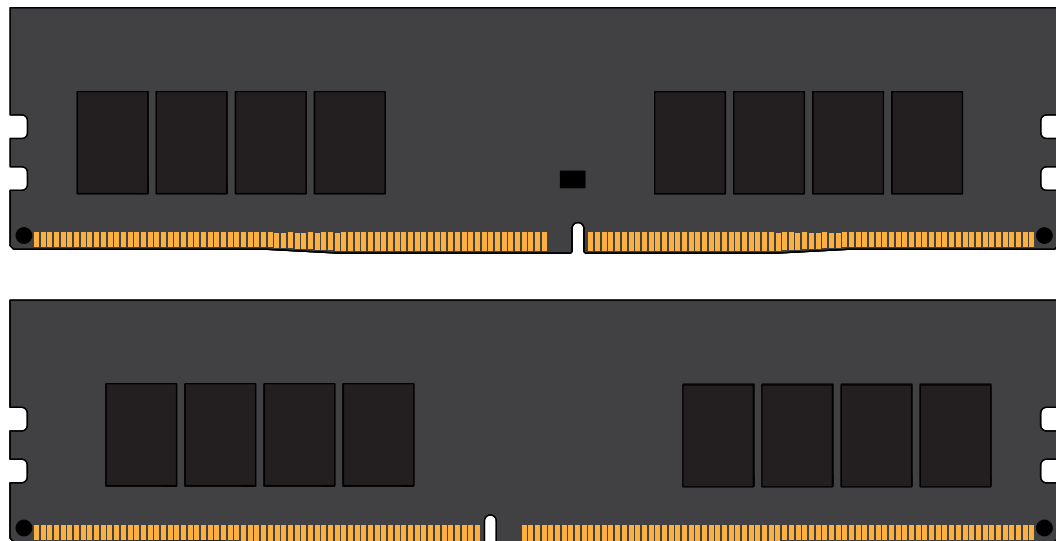• Height 1.80" (45.76mm), w/heatsink

FACTORY TIMING PARAMETERS

• Default (JEDEC):	DDR4-2400 CL17-17-17 @1.2V
• XMP Profile #1:	DDR4-3200 CL16-19-19 @1.35V
• XMP Profile #2:	DDR4-3000 CL16-18-18 @1.35V

MODULE WITH HEAT SPREADER

8.29 mm

133.35 mm

45.76 mm
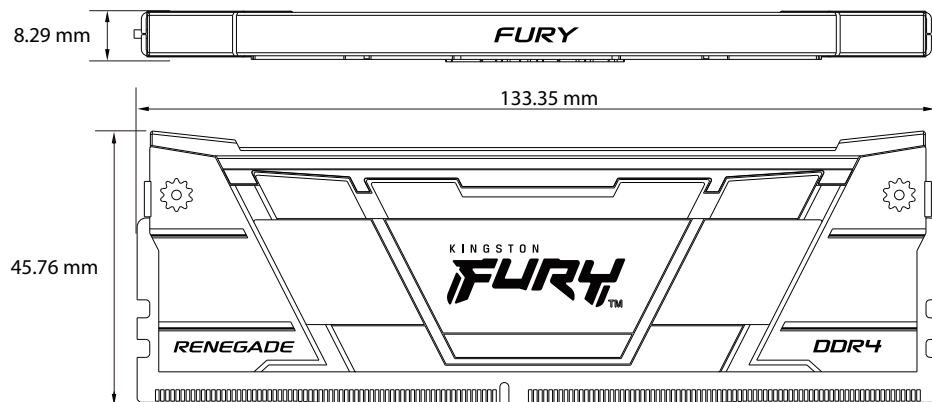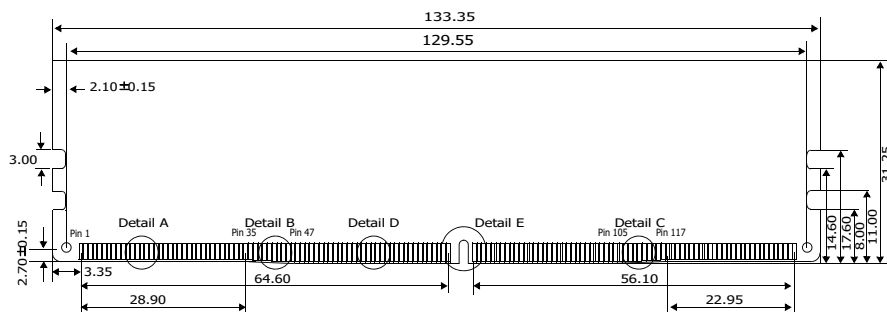
MODULE DIMENSIONS

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

133.35

129.55

2.10±0.15

3.00

31.25

2.70±0.15

Pin 1   Detail A   Detail B   Detail D   Detail E   Detail C
         Pin 35 Pin 47   Pin 105 Pin 117

14.60   17.60   8.00   11.00

3.35   64.60   56.10

28.90   22.95

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