

Memory Module Specifications

KF564C32BBAK2-32

32GB (16GB 2G x 64-Bit x 2 pcs.)
DDR5-6400 CL32 288-Pin DIMM Kit



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 KF564C32BBAK2-32 is a kit of two 2G x 64-bit (16GB) DDR5-6400 CL32 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 2G x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 3.0. Total kit capacity is 32GB. 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 1.66" (42.23mm), 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

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