KF316LS9IBK2/16
16GB (8GB 1G x 64-Bit x 2 pcs.)
DDR3L-1600 CL9 204-Pin SODIMM Kit
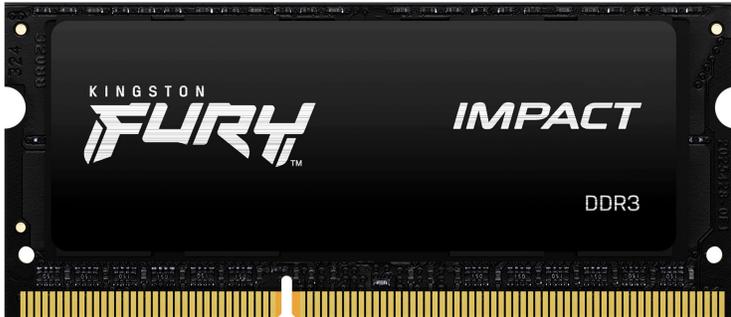
SPECIFICATIONS

CL(IDD)	9 cycles
Row Cycle Time (tRCmin)	48.125ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	260ns(min.)
Row Active Time (tRASmin)	33.75ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

DESCRIPTION

FURY KF316LS9IBK2/16 is a kit of two 1G x 64-bit (8GB) DDR3L-1600 CL9 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 512M x 8-bit FBGA components per module. Total kit capacity is 16GB. Each module has been tested to run at DDR3L-1600 at a low latency timing of 9-9-9 at 1.35V or 1.5V. Additional timing parameters are shown in the Plug-N-Play (PnP) Timing Parameters section below. The JEDEC standard electrical and mechanical specifications are as follows:

Note: The PnP feature offers a range of speed and timing options to support the widest variety of processors and chipsets. Your maximum speed will be determined by your BIOS.

FACTORY TIMING PARAMETERS

- Default (Plug N Play): DDR3-1600 CL9-9-9 @ 1.35V or 1.5V
  DDR3-1333 CL8-8-8 @ 1.35V or 1.5V
  DDR3-1066 CL6-6-6 @ 1.35V or 1.5V

FEATURES

- JEDEC standard 1.35V and 1.5V Power Supply

- VDDQ = 1.35V and 1.5V

- 800MHz fCK for 1600Mb/sec/pin

- 8 independent internal bank

- Programmable CAS Latency: 11, 10, 9, 8, 7, 6

- Programmable Additive Latency: 0, CL - 2, or CL - 1 clock

- 8-bit pre-fetch

- Burst Length: 8 (Interleave without any limit, sequential with starting address "000" only), 4 with tCCD = 4 which does not allow seamless read or write [either on the fly using A12 or MRS]

- Bi-directional Differential Data Strobe

- Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm ± 1%)

- On Die Termination using ODT pin

- Average Refresh Period 7.8us at lower than TCASE 85°C, 3.9us at 85°C < TCASE < 95°C

- Asynchronous Reset

- Height 1.180" (30mm) w/heatsink

MODULE DIMENSIONS
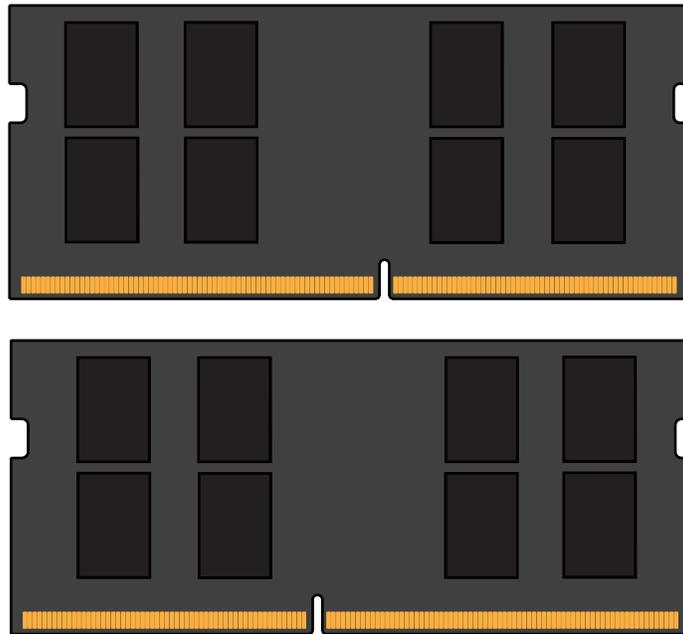
All measurements are in millimeters.
(Tolerances on all dimensions are ±0.12 unless otherwise specified)

30.00
4.00
20.00
0.00

0.00   38.30   69.60
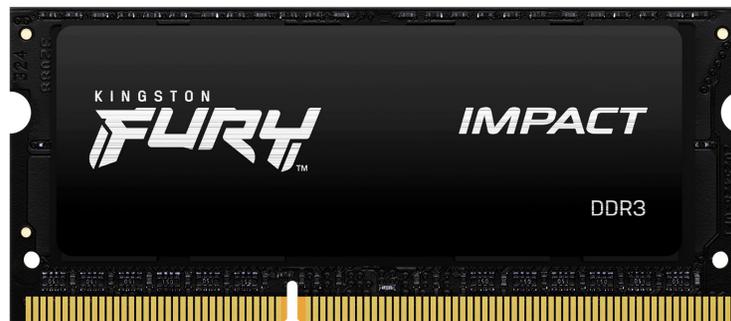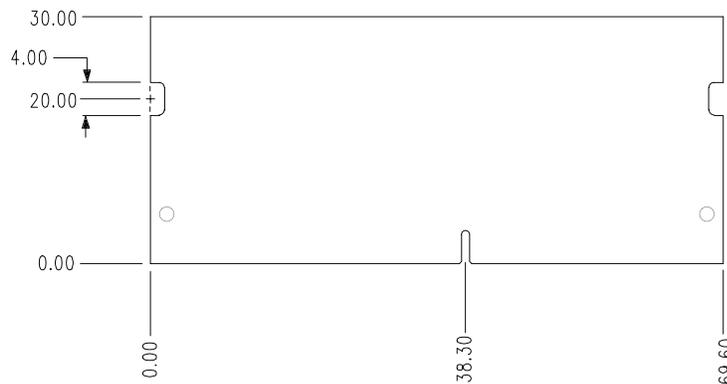
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FOR MORE INFORMATION, GO TO KINGSTON.COM

All Kingston products are tested to meet our published specifications. Some motherboards or system configurations may not operate at the published 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.