Memory Module Specifications



KF318LS11IB/8

8GB 1G x 64-Bit DDR3L-1866 CL11 204-Pin SODIMM



SPECIFICATIONS

11 cycles
44.7ns(min.)
260ns(min.)
34ns(min.)
94 V - 0
0° C to +85° C
-55° C to +100° C

DESCRIPTION

FURY KF318LS11IB/8 is a 1G x 64-bit (8GB) DDR3L-1866 CL11 SDRAM (Synchronous DRAM) 2Rx8, memory module, based on sixteen 512M x 8-bit FBGA components per module. Each module has been tested to run at DDR3L-1866 at a low latency timing of 11-11-11 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):
DDR3-1866 CL11-11-11 @ 1.35V or 1.5V
DDR3-1600 CL10-10-10 @ 1.35V or 1.5V
DDR3-1333 CL8-8-8 @ 1.35V or 1.5V

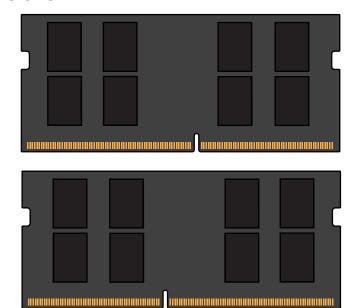
FEATURES

- 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 \pm 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

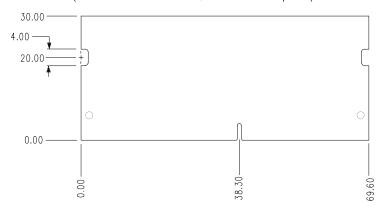
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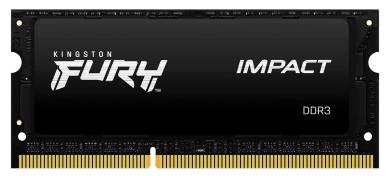


MODULE DIMENSIONS



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





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