

KHX8500S3ULK2/4GX

4GB (2GB 256M x 64-Bit x 2 pcs.)

PC3-8500 CL5 204-Pin SODIMM Kit

DESCRIPTION:

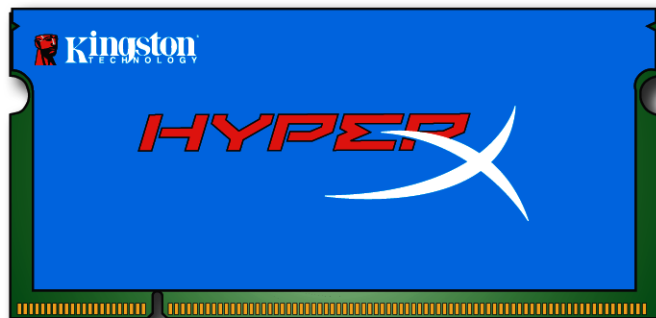
Kingston's KHX8500S3ULK2/4GX is a kit of two 256M x 64-bit 2GB (2048MB) PC3-8500 CL5 SDRAM (Synchronous DRAM) memory modules. Each module is based on sixteen 128M x 8-bit DDR3 FBGA components. Total kit capacity is 4GB (4096MB). Each module pair has been tested to run at DDR3- 1066MHz at an ultra-low latency timing of 5-5-5-15 at 1.5V. The SPDs are programmed to JEDEC standard latency 1066Mhz timing of 7-7-7 at 1.5V. Each 204-pin SODIMM uses gold contact fingers and requires +1.5V. The electrical and mechanical specifications are as follows:

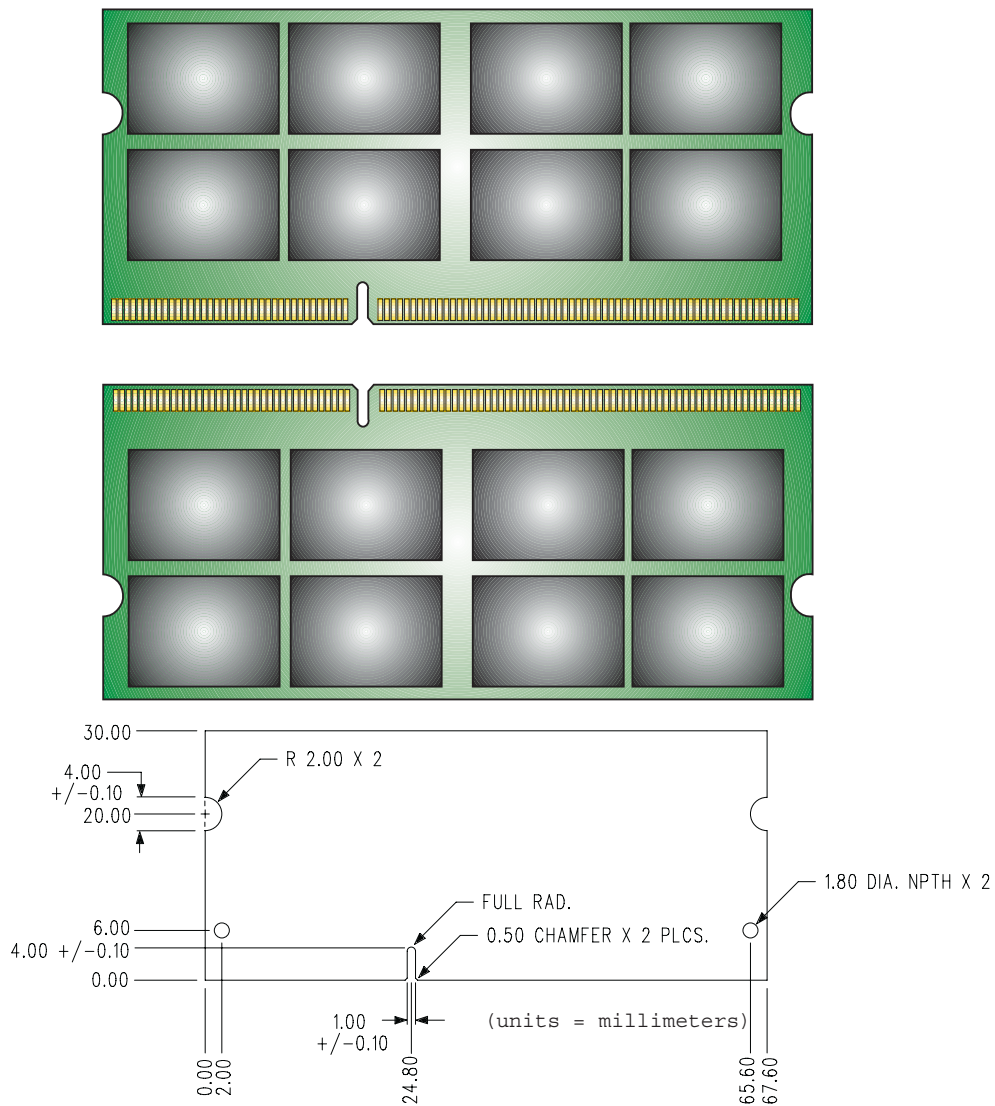
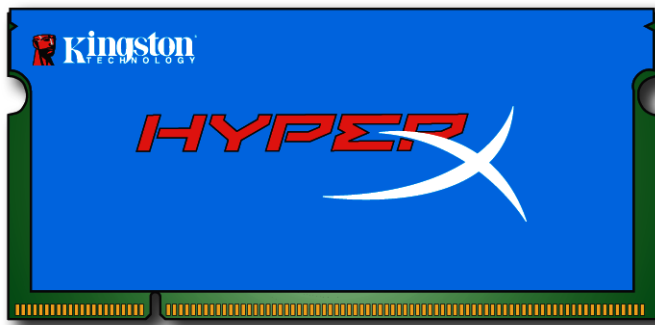
FEATURES:

- JEDEC standard 1.5V \pm 0.075V Power Supply
- VDDQ = 1.5V \pm 0.075V
- 533MHz fCK for 1066Mb/sec/pin
- 8 independent internal bank
- Programmable CAS Latency: 5,6,7,8
- Posted CAS
- Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- Programmable CAS Write Latency(CWL) = 6(DDR3-1066)
- 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 then TCASE 85°C, 3.9us at 85°C < TCASE . 95°C
- Asynchronous Reset
- PCB : Height 1.180" (30.00mm), double sided component

PERFORMANCE:

- | | |
|--|--------------------------------|
| <input checked="" type="checkbox"/> CL(IDD) | 7 cycles |
| <input checked="" type="checkbox"/> Row Cycle Time (tRCmin) | 50.63ns (min.) |
| <input checked="" type="checkbox"/> Refresh to Active/Refresh Command Time (tRFCmin) | 110ns |
| <input checked="" type="checkbox"/> Row Active Time (tRASmin) | 37.5ns (min.) |
| <input checked="" type="checkbox"/> Power | 1.320 W (operating per module) |
| <input checked="" type="checkbox"/> UL Rating | 94 V - 0 |
| <input checked="" type="checkbox"/> Operating Temperature | 0° C to 85° C |
| <input checked="" type="checkbox"/> Storage Temperature | -55° C to +100° C |



MODULE DIMENSIONS:**w/ heatsink assembly**

For more information, go to www.kingston.com

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