KHX8500S3ULK2/4G

4GB (2GB 256M x 64-Bit x 2 pcs.)
PC3-8500 CL5 204-Pin SODIMM Kit

DESCRIPTION:

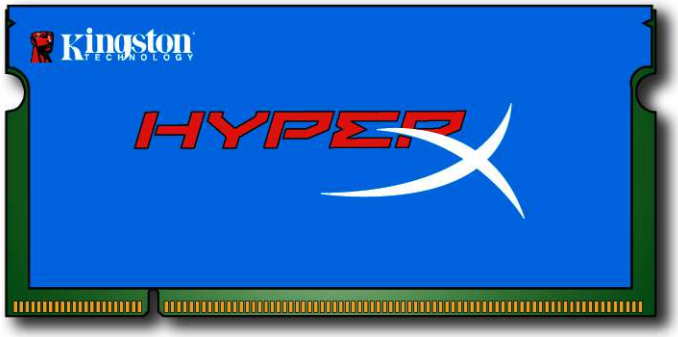
Kingston's KHX8500S3ULK2/4G is a kit of two 256M x 64-bit 2GB (2048MB) PC3-8500 CL5 SDRAM (Synchronous DRAM) memory modules. Each module is based on sixteen 128M x 8-bit DDR3 FBGA components. Total kit capacity is 4GB (4096MB). The SPDs are programmed to JEDEC ultra low latency timing of 5-5-5-15 at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

FEATURES:

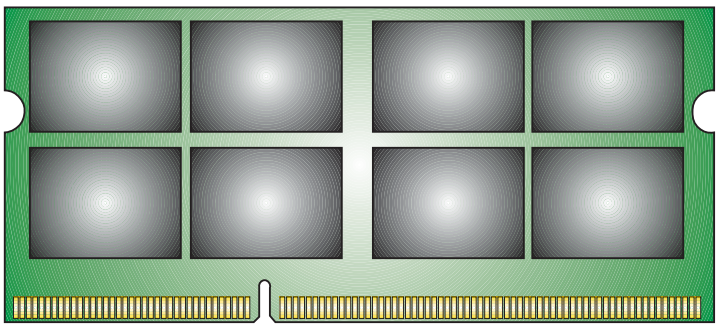
- ☑ JEDEC standard 1.5V ± 0.075V Power Supply
- ☑ VDDQ = 1.5V ± 0.075V
- ☑ 533MHz fCK for 1066Mb/sec/pin
- ☑ 8 independent internal bank
- ☑ Programmable CAS Latency: 5,6,7,8
- ☑ Posted CAS
- ☑ Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- ☑ Programmable CAS Write Latency(CWL) = 5(DDR3-1066)
- ☑ 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 ± 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

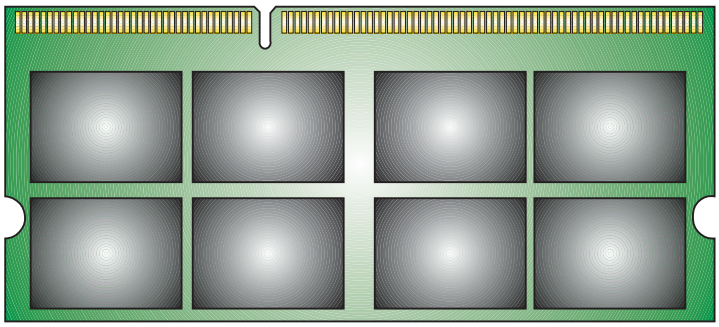
PERFORMANCE:

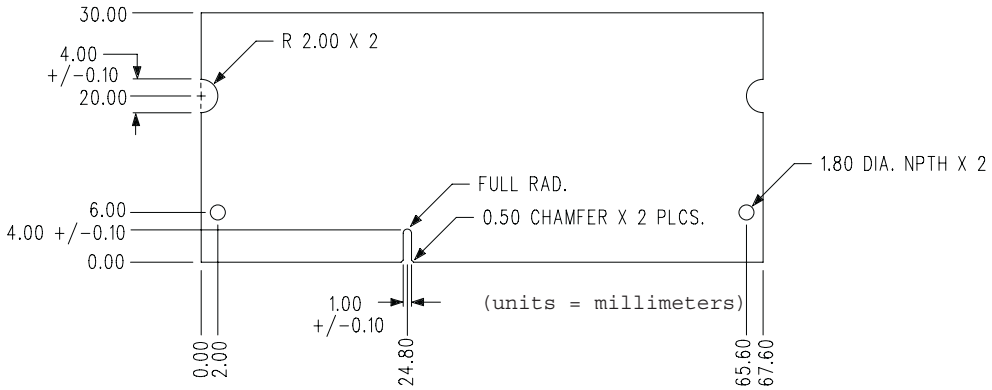
☑ CL(IDD)	5 cycles
☑ Row Cycle Time (tRCmin)	50.625ns (min.)
☑ Refresh to Active/Refresh Command Time (tRFCmin)	110ns
☑ Row Active Time (tRASmin)	37.5ns (min.)
☑ Power	1.680 W (operating per module)
☑ UL Rating	94 V - 0
☑ Operating Temperature	0° C to 85° C
☑ Storage Temperature	-55° C to +100° C



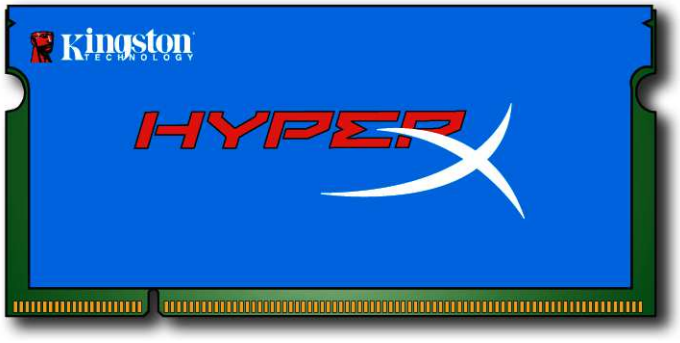
MODULE DIMENSIONS:







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.