KHX2700K2/1G
1GB (512MB 64M x 64-Bit x 2 pcs.)
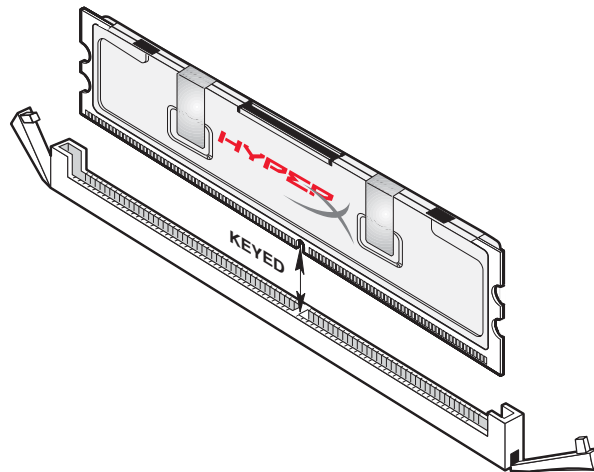## PC2700 CL2 184-Pin DIMM Kit

DESCRIPTION:

Kingston's KHX2700K2/1G is a kit of two 64M x 64-bit (512MB) DDR333 CL2 SDRAM (Synchronous DRAM) memory modules. Total kit capacity is 1GB. The components on each module include sixteen 32M x 8-bit (8M x 8-bit x 4 Bank / 166MHz, 6ns) DDR333 SDRAM in TSOP packages. Each 184-pin DIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:
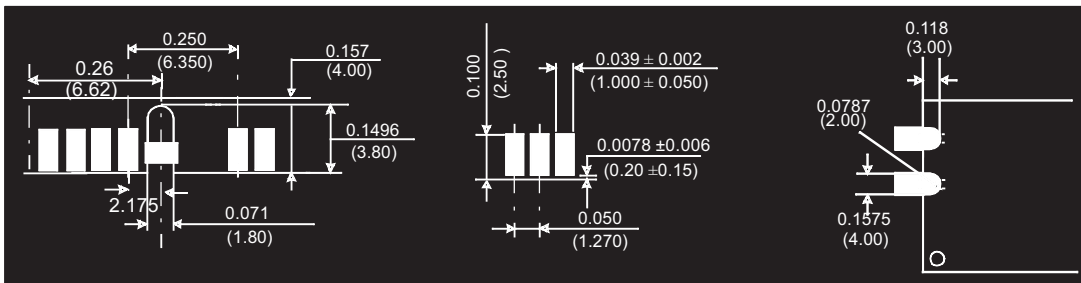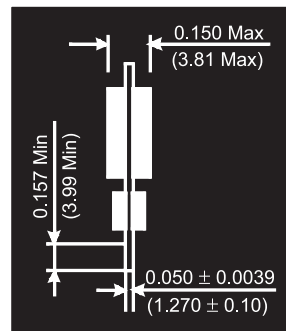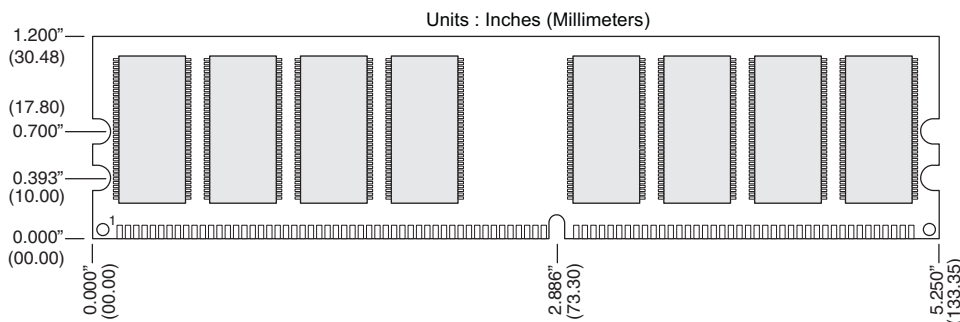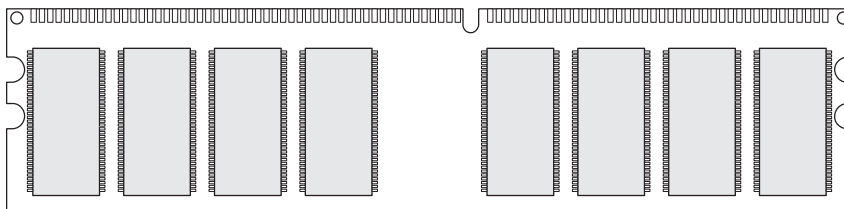
FEATURES:

- ☑ Power supply : Vdd: 2.6V ± 0.1V, Vddq: 2.6V ± 0.1V
- ☑ Double-data-rate architecture; two data transfers per clock cycle
- ☑ Bidirectional data strobe(DQS)
- ☑ Differential clock inputs(CK and CK)
- ☑ DLL aligns DQ and DQS transition with CK transition
- ☑ Programmable Read latency 2 (clock)
- ☑ Programmable Burst length (2, 4, 8)
- ☑ Programmable Burst type (sequential & interleave)
- ☑ Timing Reference: 2-2-2-5-1 at +2.6V
- ☑ Edge aligned data output, center aligned data input
- ☑ Auto & Self refresh, 7.8us refresh interval(8K/64ms refresh)
- ☑ Serial presence detect with EEPROM
- ☑ PCB : Height 1.200" (30.48mm), double sided component

PERFORMANCE:

- ☑ Clock Cycle Time (tCK)   6ns (min.) / 12ns (max.)
- ☑ Row Cycle Time (tRC)   60ns (min.)
- ☑ Refresh Row Cycle Time (tRFC)   72ns (min.)
- ☑ Row Active Time (tRAS)   42ns (min.) / 100,000ns (max.)
- ☑ Power (IDD0)   3.600 W (operating)
- ☑ UL Rating   94 V - 0
- ☑ Operating Temperature   0º C to 70º C
- ☑ Storage Temperature   -55º C to +150º C

MODULE DIMENSIONS:

Units : Inches (Millimeters)

1.200"
(30.48)

(17.80)
0.700"

0.393"
(10.00)

0.000"
(00.00)

0.000"
(00.00)

2.886"
(73.30)

5.250"
(133.35)

0.150 Max
(3.81 Max)

0.157 Min
(3.99 Min)

0.050 ± 0.0039
(1.270 ± 0.10)

0.250
(6.350)

0.26
(6.62)

0.157
(4.00)

0.1496
(3.80)

2.175

0.071
(1.80)

0.100
(2.50)

0.039 ± 0.002
(1.000 ± 0.050)

0.0078 ±0.006
(0.20 ±0.15)

0.050
(1.270)

0.118
(3.00)

0.0787
(2.00)

0.1575
(4.00)

For more information, go to www.kingston.com