

KRX3200K2/1G

1GB (512MB 64M x 72-Bit x 2 pcs.)

Registered PC3200 ECC CL3 184-Pin DIMM Kit

DESCRIPTION:

Kingston's KRX3200K2/1G is a kit of two 64M x 72-bit (512MB) DDR400 CL3 SDRAM (Synchronous DRAM) registered ECC memory modules. Total kit capacity is 1GB. The components on each module include eighteen 64M x 4-bit (16M x 4-bit x 4 Bank) DDR400 SDRAM in FBGA 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 3 (clock)
- ✓ Programmable Burst length (2, 4, 8)
- ✓ Programmable Burst type (sequential & interleave)
- ✓ Timing Reference: 3-3-3-8-1 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
- ✓ High Performance Heat Spreader
- ✓ PCB : Height 1.125" (28.57mm), double sided component

PERFORMANCE:

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|---------------------------------|-------------------------------|
| ✓ Clock Cycle Time (tCK) | 5ns (min.) / 10ns (max.) |
| ✓ Row Cycle Time (tRC) | 55ns (min.) |
| ✓ Refresh Row Cycle Time (tRFC) | 70ns (min.) |
| ✓ Row Active Time (tRAS) | 40ns (min.) / 70,000ns (max.) |
| ✓ Power (IDD0) | 5.850 W (operating) |
| ✓ UL Rating | 94 V - 0 |
| ✓ Operating Temperature | 0° C to 70° C |
| ✓ Storage Temperature | -55° C to +150° C |



