HX430C15PB2K4/16

16GB (4GB 512M x 64-Bit x 4 pcs.)
DDR4-3000 CL15 288-Pin DIMM

SPECIFICATIONS

CL(IDD)	15 cycles
Row Cycle Time (tRCmin)	46.5ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	260ns(min.)
Row Active Time (tRASmin)	33ns(min.)
Maximum Operating Power	TBD W*
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

*Power will vary depending on the SDRAM used.

DESCRIPTION

HyperX HX430C15PB2K4/16 is a kit of four 512M x 64-bit (4GB) DDR4-3000 CL15 SDRAM (Synchronous DRAM) 1Rx8, memory module, based on eight 512M x 8-bit FBGA components per module. Each module kit supports Intel® Extreme Memory Profiles (Intel® XMP) 2.0 . Total kit capacity is 16GB. Each module has been tested to run at DDR4-3000 at a low latency timing of 15-16-16 at 1.35V. The SPDs are programmed to JEDEC standard latency DDR4-2133 timing of 15-15-15 at 1.2V. Each 288-pin DIMM uses gold contact fingers. The JEDEC standard electrical and mechanical specifications are as follows:

XMP TIMING PARAMETERS

- JEDEC: DDR4-2133 CL15-15-15 @1.2V
- XMP Profile #1: DDR4-3000 CL15-16-16 @1.35V
- XMP Profile #2: DDR4-2666 CL14-14-14 @1.35V

FEATURES

- Power Supply: VDD=1.2V Typical
- VDDQ = 1.2V Typical
- VPP - 2.5V Typical
- VDDSPD=2.2V to 3.6V
- Nominal and dynamic on-die termination (ODT) for data, strobe, and mask signals
- Low-power auto self refresh (LPASR)
- Data bus inversion (DBI) for data bus
- On-die VREFDQ generation and calibration
- Single-rank
- On-board I2 serial presence-detect (SPD) EEPROM
- 16 internal banks; 4 groups of 4 banks each
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the mode register set (MRS)
- Selectable BC4 or BL8 on-the-fly (OTF)
- Fly-by topology
- Terminated control command and address bus
- Height 2.166" (55.00mm), w/ heatsink

MODULE DIMENSIONS

Front

Back

133.35

129.55

2.10±0.15

3.00

2.70±0.15

Pin 1

Detail A

Detail B   Pin 35   Pin 47

Detail D

Detail E

Detail C   Pin 105   Pin 117

3.35

28.90

64.60

56.10

22.95

31.25

14.60

17.60

8.00

11.00
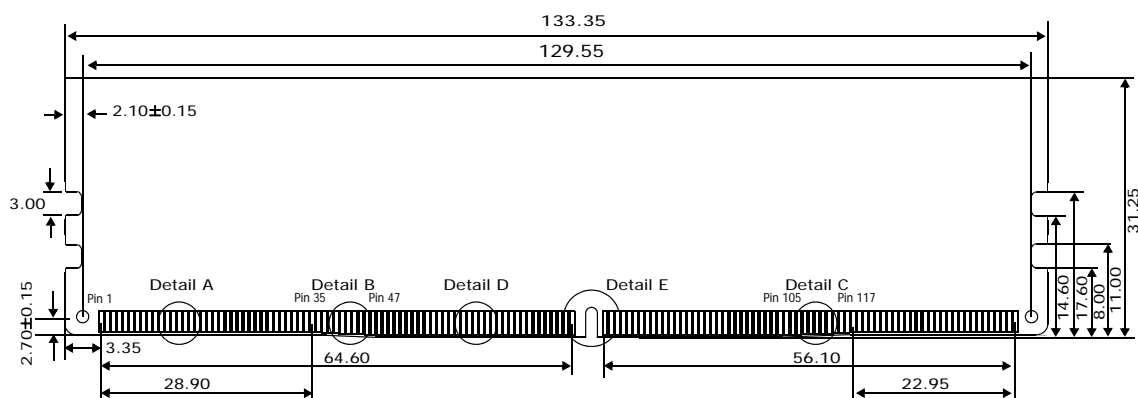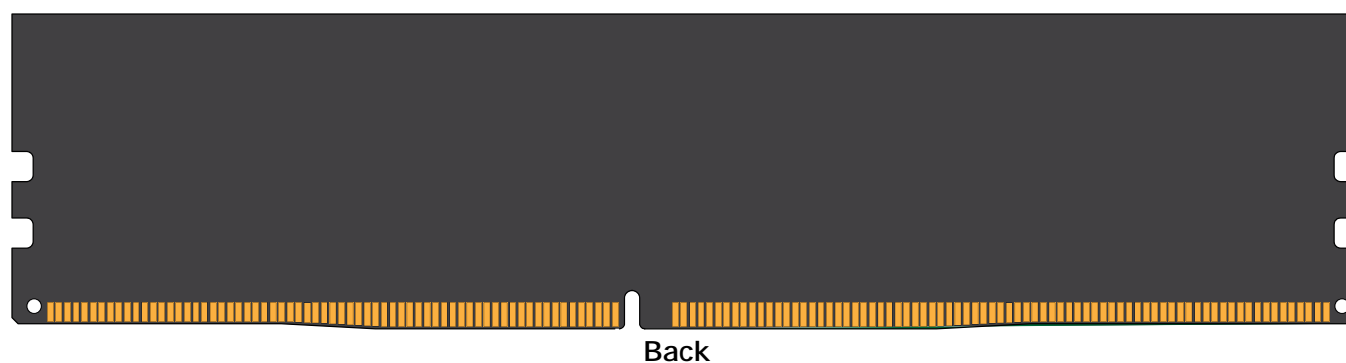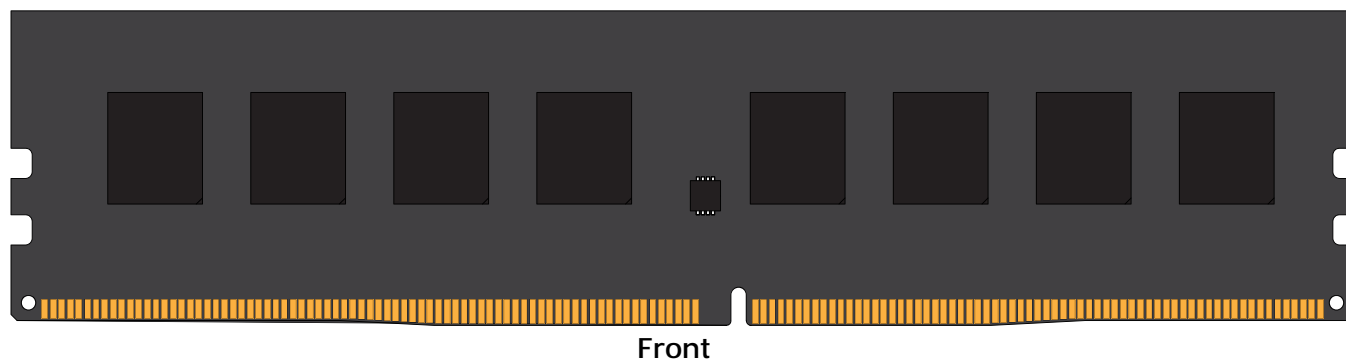
FOR MORE INFORMATION, GO TO WWW.KINGSTON.COM/HYPERX