

Part Number System Change Notice

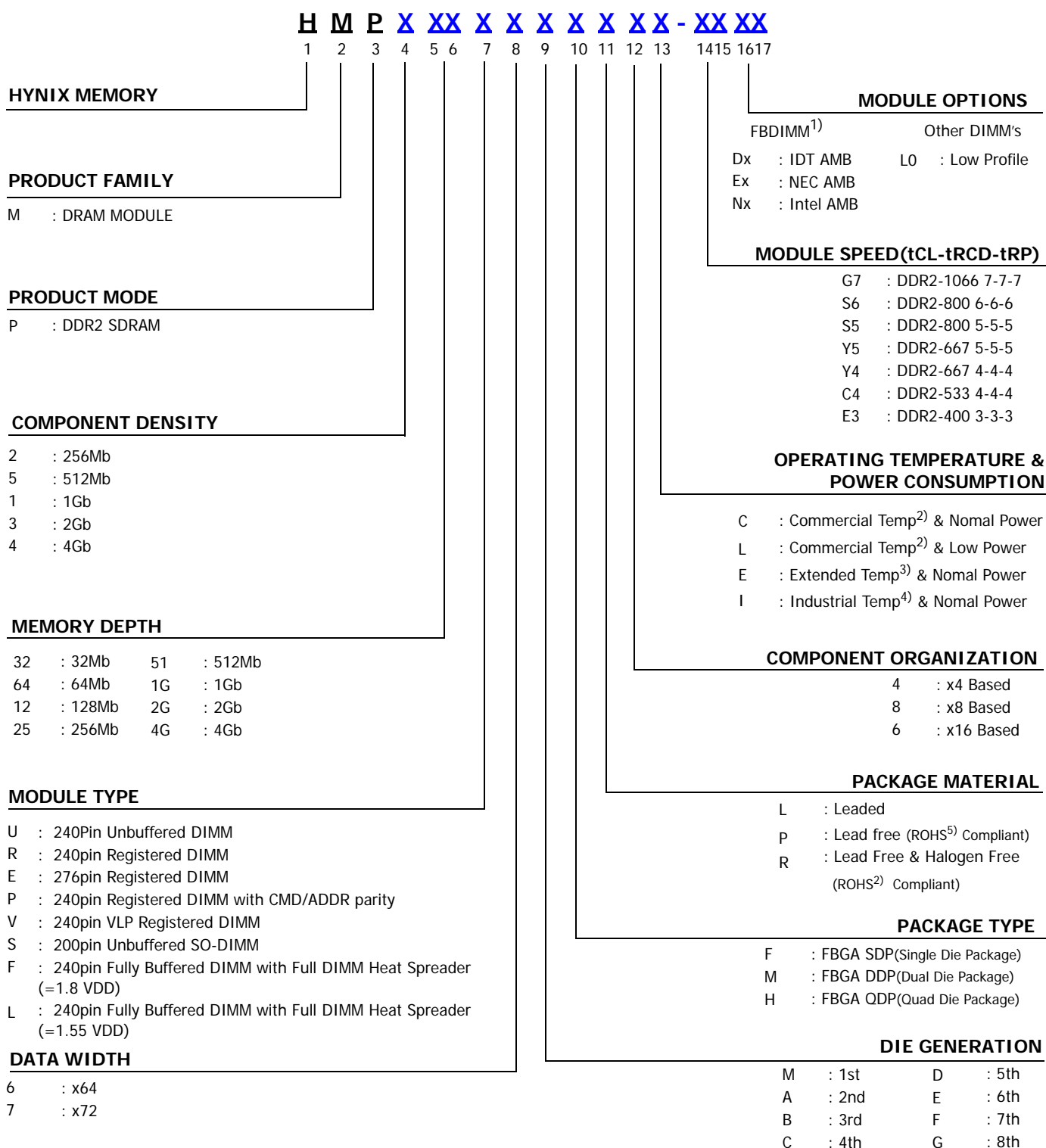
Effective from August 6, 2007, a more concise part numbering system is utilized by Hynix with the intention of managing product line with more consistency.

Devices developed after August 2007 and their respective products will be Refer to the following pages for more details. (www.hynix.com/pn_notice.jsp)

[Part Number with prefix 'HY' -> Old Part Number Decoder Link](#)

[Part Number with prefix 'H' -> New Part Number Decoder Link](#)

DDR2 SDRAM MODULE PART NUMBERING



Note:

- 1) Refer to respective datasheet for AMB revision.
- 2) Commercial Temperature: 0°C ~ 85°C
- 3) Extended Temperature: -25°C ~ 85°C
- 4) Industrial Temperature: -40°C ~ 85°C
- 5) ROHS : Restriction Of Hazardous Substances

DDR2 SDRAM MODULE PART NUMBERING

HYNIX MODULE

COMPONENT GROUP

P2 : 256Mb DDR2 SDRAM 8K Ref./4Banks
P5 : 512Mb DDR2 SDRAM 8K Ref./4Banks

P1 : 1Gb DDR2 SDRAM 8K Ref./8Banks
P3 : 2Gb DDR2 SDRAM 8K Ref./8Banks

P4 : 4Gb DDR2 SDRAM 8K Ref./8Banks

POWER SUPPLY & INTERFACE

BLANK : VDD 1.8V & VDDQ 1.8V

MEMORY DEPTH

16 : 16M 51 : 512M
32 : 32M 1G : 1G
64 : 64M 2G : 2G
12 : 128M 4G : 4G
25 : 256M

MODULE TYPE

B : Fully Buffered DIMM
F : Fully Buffered DIMM with Full DIMM Heat Spreader
E : 276Pin Registered DIMM
M : 214pin Micro-DIMM
N : 244pin Mini-DIMM
P : 240pin Registered DIMM with Command/Address parity
R : 240pin Registered DIMM
S : 200pin SO-DIMM
U : 240pin Unbuffered DIMM

DATA WIDTH

64 : x64
72 : x72

DIE GENERATION

BLANK : 1st Gen.
A : 2nd Gen.
B : 3rd Gen.
C : 4th Gen.

D : 5th Gen.
E : 6th Gen.
F : 7th Gen.
G : 8th Gen.

SPEED

S6 : DDR2-800 6-6-6
S5 : DDR2-800 5-5-5
Y5 : DDR2-667 5-5-5
Y4 : DDR2-667 4-4-4
C4 : DDR2-533 4-4-4
E3 : DDR2-400 3-3-3

AMB VENDOR & REVISION

Nx : Intel
Ex : NEC
Dx : IDT
Cx : ICS
Px : Inphi
Ax : Infineon
Mx : Micron

MODULE REVISION

R : Low Cost
L : Low Profile
T : DDR2 667 SODIMM with Thermal Sensor

COMPONENT CONFIGURATION

4 : x4 Based
8 : x8 Based
6 : x16 Based

PACKAGE MATERIAL

BLANK : Normal
P : Lead free(ROHS* Compliant)
R : Lead & Halogen free (ROHS* Compliant)

PACKAGE TYPE

BLANK : FBGA Single Die
S : FBGA Stack
M : FBGA DDP(Dual Die Package)
H : FBGA DDP Stack

POWER CONSUMPTION

BLANK : Nomal
L : Low Power

**** All DDR2 Modules follow above Part Numbering System**

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