

DRAM COMPONENT

COMPONENT PART NUMBERING

DDR/DDR2 SDRAM

SDRAM

GRAPHICS DDR SDRAM

Mobile DDR/SDR

DDR SDRAM PART NUMBERING

HY XX X XX XX X X X X X X - XX X

HYNIX MEMORY

PRODUCT FAMILY

5D : DDR SDRAM

PROCESS & POWER SUPPLY

V : VDD=3.3V & VDDQ=2.5V
 U : VDD=2.5V & VDDQ=2.5V
 W : VDD=2.5V & VDDQ=1.8V
 S : VDD=1.8V & VDDQ=1.8V

DENSITY & REFRESH

64 : 64M 4K Refresh
 66 : 64M 2K Refresh
 28 : 128M 4K Refresh
 56 : 256M 8K Refresh
 57 : 256M 4K Refresh
 12 : 512M 8K Refresh
 1G : 1G 8K Refresh

ORGANIZATION

4 : x4
 8 : x8
 16 : x16
 32 : x32

of BANK

1 : 2Banks
 2 : 4Banks
 3 : 8Banks

INTERFACE

1 : SSTL_3
 2 : SSTL_2
 3 : SSTL_18

DIE GENERATION

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

TEMPERATURE

I : Industrial (-40°C ~85°C)
 E : Extended (-25°C ~85°C)

D5 : DDR500 3-4-4
 D43 : DDR400 3-3-3
 D4 : DDR400 3-4-4
 J : DDR333 2.5-3-3
 M : DDR266 2-2-2
 K : DDR266A 2-3-3
 H : DDR266B 2.5-3-3
 L : DDR200 2-2-2

PACKAGE MATERIAL

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

PACKAGE TYPE

T : TSOP
 Q : LQFP
 F : FBGA

POWER CONSUMPTION

BLANK : Normal
 L : Low Power



DDR2 SDRAM PART NUMBERING

HY XX X XX XX X X X X X X - XX X

HYNIX MEMORY

PRODUCT FAMILY

5P : DDR2 SDRAM

PROCESS & POWER SUPPLY

S : VDD=1.8V & VDDQ=1.8V

DENSITY & REFRESH

- 28 : 128M 4K Refresh
- 56 : 256M 8K Refresh
- 12 : 512M 8K Refresh
- 1G : 1G 8K Refresh
- 2G : 2G 8K Refresh

ORGANIZATION

- 4 : x4
- 8 : x8
- 16 : x16
- 32 : x32

of BANK

- 1 : 2Banks
- 2 : 4Banks
- 3 : 8Banks

INTERFACE

- 1 : SSTL_18
- 2 : SSTL_2

DIE GENERATION

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

TEMPERATURE

- I : Industrial (-40°C ~ 85°C)
- E : Extended (-25°C ~ 85°C)

SPEED

- S6 : DDR2-800 6-6-6
- S5 : DDR2-800 5-5-5
- Y6 : DDR2-667 6-6-6
- Y5 : DDR2-667 5-5-5
- Y4 : DDR2-667 4-4-4
- C5 : DDR2-533 5-5-5
- C4 : DDR2-533 4-4-4
- C3 : DDR2-533 3-3-3
- E4 : DDR2-400 4-4-4
- E3 : DDR2-400 3-3-3

PACKAGE MATERIAL

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

PACKAGE TYPE

- F : FBGA Single Die
- S : FBGA Stack
- M : FBGA DDP (Dual Die Package)

POWER CONSUMPTION

- BLANK : Normal
- L : Low Power

* ROHS : Restriction Of Hazardous Substances
 ** All DDR2 SDRAMs follow above Part Numbering System

SDRAM PART NUMBERING

HY XX X XX XX X X XX X X X - XX X

HYNIX MEMORY

PRODUCT FAMILY

57 : SDRAM

PROCESS & POWER SUPPLY

V : VDD=3.3V & VDDQ=3.3V
 Y : VDD=3.0V & VDDQ=3.0V
 U : VDD=2.5V & VDDQ=2.5V
 W : VDD=2.5V & VDDQ=1.8V
 S : VDD=1.8V & VDDQ=1.8V

DENSITY

16 : 16M
 32 : 32M
 64 : 64M
 28 : 128M
 2A : 128M with TCSR
 56 : 256M
 5A : 256M with TCSR
 12 : 512M

ORGANIZATION

4 : x4
 8 : x8
 16 : x16
 32 : x32

of BANK

1 : 2Banks
 2 : 4Banks

INTERFACE

0 : LVTTL
 1 : SSTL_3

TEMPERATURE

Blank : Commercial(0℃~70℃)
 I : Industrial (-40℃~85℃)
 E : Extended (-25℃~85℃)

SPEED

5 : 200MHz
 55 : 183MHz
 6 : 166MHz
 7 : 143MHz
 K : PC133, CL2
 H : PC133, CL3
 8 : 125MHz
 P : PC100, CL2
 S : PC100, CL3
 10 : 100MHz

PACKAGE MATERIAL

BLANK : Normal
 P : Lead free
 H : Halogen free
 R : Lead & Halogen free

PACKAGE TYPE

T : TSOP
 S : Stack Package (Hynix)
 K : Stack Package (M & T)
 J : Stack Package (Others)
 W : KGD

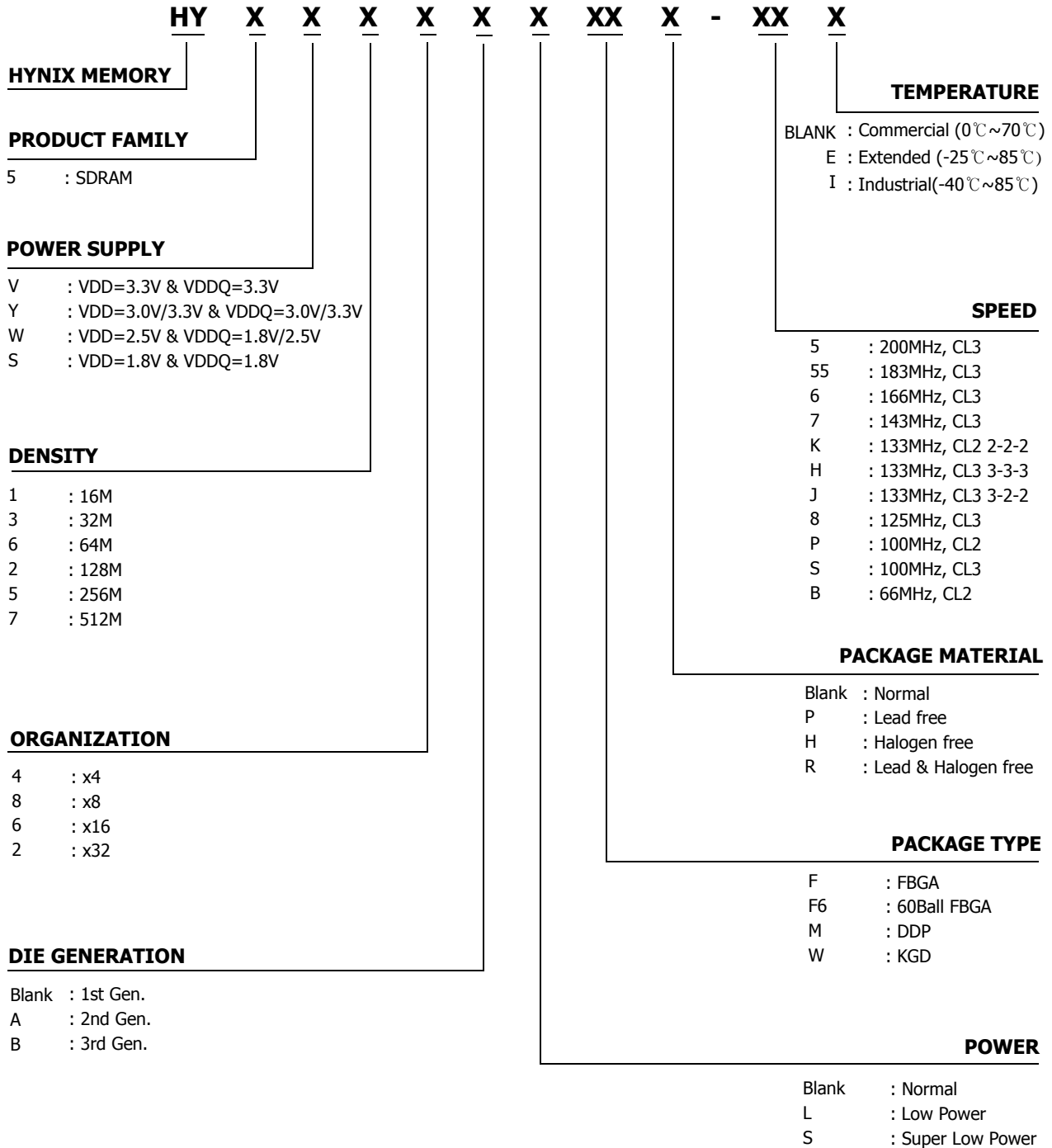
POWER CONSUMPTION

BLANK : Normal Power
 L : Low Power
 S : Super Low Power

DIE GENERATION

Ichon	Cheong-ju
Blank : 1st Gen.	H : 1st Gen.
A : 2nd Gen.	HA : 2nd Gen.
B : 3rd Gen.	HB : 3rd Gen.
C : 4th Gen.	HC : 4th Gen.

SDRAM FBGA PART NUMBERING



♣ All SDRAM FBGA follow above Part Numbering System

GRAPHICS MEMORY PART NUMBERING

HY XX X XX XX X X X X X - XX X

HYNIX MEMORY

PRODUCT FAMILY

- 5D : DDR SDRAM
- 5Q : GDDR2 SDRAM
- 5R : GDDR3 SDRAM

PROCESS & POWER SUPPLY

- V : VDD=3.3V & VDDQ=2.5V
- U : VDD=2.5V & VDDQ=2.5V
- W : VDD=2.5V & VDDQ=1.8V
- S : VDD=1.8V & VDDQ=1.8V

DENSITY & REFRESH

- 32 : 32M 4K Refresh/32ms
- 64 : 64M 4K Refresh/64ms
- 66 : 64M 2K Refresh/16ms
- 28 : 128M 4K Refresh/32ms
- 56 : 256M 8K Refresh/64ms
- 57 : 256M 4K Refresh/32ms
- 58 : 256M 8K Refresh/32ms
- 11 : 512M 4K Refresh/32ms
- 12 : 512M 8K Refresh/32ms
- 1G : 1G 8K Refresh/64ms
- 2G : 2G 8K Refresh/64ms

ORGANIZATION

- 16 : x16
- 32 : x32

of BANK

- 1 : 2Banks
- 2 : 4Banks
- 3 : 8Banks

INTERFACE

- 1 : SSTL_3
- 2 : SSTL_2
- 3 : SSTL_18
- 4 : Reserved
- 5 : POD_18

DIE GENERATION

- BLANK : 1st Gen.
- A : 2nd Gen.
- B : 3rd Gen.
- C : 4th Gen.
- D : 5th Gen.

TEMPERATURE

- I : Industrial (-40°C~85°C)
- E : Extended (-25°C~85°C)

SPEED

- 12 : 800MHz
- 14 : 700MHz
- 16 : 600MHz
- 18 : 550MHz
- 2 : 500MHz
- 22 : 450MHz
- 25 : 400MHz
- 26 : 375MHz
- 28 : 350MHz
- 3 : 333MHz
- 33 : 300MHz
- 36 : 275MHz
- 4 : 250MHz
- 43 : 233MHz
- 45 : 222MHz
- 5 : 200MHz
- 55 : 183MHz
- 6 : 166MHz

PACKAGE MATERIAL

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

PACKAGE TYPE

- T : TSOP II
- Q : LQFP
- F : FBGA
- FM : MCP FBGA

POWER CONSUMPTION

- BLANK : Normal
- L : Low Power

* ROHS : Restriction Of Hazardous Substances

** All GRAPHICS MEMORYs follow above Part Numbering System

MOBILE DDR/SDR PART NUMBERING

HY XX X X X X X X X X - X X

HYNIX MEMORY

PRODUCT FAMILY

5 : Mobile SDR
5M : Mobile DDR

POWER SUPPLY

Y : VDD=3.0V/3.3V & VDDQ=3.0V/3.3V
W : VDD=2.5V & VDDQ=1.8V/2.5V
S : VDD=1.8V & VDDQ=1.8V

DENSITY

6 : 64M
2 : 128M
5 : 256M
7 : 512M

Function

A : Low Power Function (EMRS TCSR/PASR/DS/DPD)
B : Low Power Function (AUTO TCSR/PASR/DS/DPD)

ORGANIZATION

8 : x8
6 : x16
2 : x32

DIE GENERATION

Blank : 1st Gen.
A : 2nd Gen.
B : 3rd Gen.
C : 4th Gen.
D : 5th Gen.

TEMPERATURE

BLANK : Commercial (0°C~70°C)
F : PDA (-25°C~70°C)
E : Extended (-25°C~85°C)
I : Industrial(-40°C~85°C)

SPEED

6 : 166MHz, CL3 / DDR333
K : 133MHz, CL2 2-2-2 / DDR266
H : 133MHz, CL3 3-3-3 / DDR266
J : 133MHz, CL3 3-2-2
P : 105MHz, CL2 / DDR200
S : 105MHz, CL3 / DDR200
B : 66MHz, CL2

PACKAGE MATERIAL

Blank : Normal
P : Lead free
H : Halogen free
R : Lead & Halogen free

PACKAGE TYPE

F : FBGA
W : KGD
M : Die Stack

POWER

Blank : Normal
L : Low Power
S : Super Low Power

♣ All Mobile DDR/SDR follow above Part Numbering System

DDR SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.		
1Gb	256Mx4 (Stack)	DDR266A	HY5DU25422ATS-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU25422BTS-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU25422CTS-K	TSOPII(66pin)	4Bank, 2.5V, CL2	1Q05		
		DDR266B	HY5DU25422ATS-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU25422BTS-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU25422CTS-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	1Q05		
512Mb	128Mx4	DDR400	HY5DU12422BF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	Now		
			HY5DU12422CF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	4Q04		
		DDR333	HY5DU12422BF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12422CF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	4Q04		
		DDR266A	HY5DU12422AT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU12422BT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU12422CT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	4Q04		
		DDR266B	HY5DU12422AT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12422BT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12422CT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	4Q04		
		DDR200	HY5DU12422AT-L	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU12422BT-L	TSOPII(66pin)	4Bank, 2.5V, CL2	Now		
			HY5DU12422CT-L	TSOPII(66pin)	4Bank, 2.5V, CL2	4Q04		
		64Mx8	DDR400	HY5DU12822AT-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now	
				HY5DU12822BT-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now	
				HY5DU12822BF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	Now	
				HY5DU12822CT-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	4Q04	
				HY5DU12822CF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	4Q04	
	DDR333		HY5DU12822AT-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822BT-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822BF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822CT-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	4Q04		
			HY5DU12822CF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	4Q04		
	DDR266B		HY5DU12822AT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822BT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822BF-H	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now		
			HY5DU12822CT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	4Q04		
			HY5DU12822CF-H	FBGA(60ball)	4Bank, 2.5V, CL2.5	4Q04		
			32Mx16	DDR400	HY5DU121622A(L)T-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now
					HY5DU121622B(L)T-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now
					HY5DU121622C(L)T-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	4Q04
	DDR333	HY5DU121622A(L)T-J		TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
		HY5DU121622B(L)T-J		TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
		HY5DU121622C(L)T-J		TSOPII(66pin)	4Bank, 2.5V, CL2.5	4Q04		
	DDR266B	HY5DU121622A(L)T-H		TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
		HY5DU121622B(L)T-H		TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now		
HY5DU121622C(L)T-H		TSOPII(66pin)		4Bank, 2.5V, CL2.5	4Q04			
256Mb	64Mx4	DDR400	HY5DU56422BF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	Now		
			HY5DU56422DF-D43	FBGA(60ball)	4Bank, 2.6V, 3-3-3	Now		

DDR SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
256Mb	64Mx4	DDR333	HY5DU56422BF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
			HY5DU56422DF-J	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
		DDR266A	HY5DU56422BT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
			HY5DU56422DT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
		DDR266B	HY5DU56422BT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			HY5DU56422DT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
		DDR200	HY5DU56422BT-L	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
			HY5DU56422DT-L	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
	32Mx8	DDR500	HY5DU56822DT-D5	TSOPII(66pin)	4Bank, 2.8V, 3-4-4	Now
		DDR400	HY5DU56822BT-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now
			HY5DU56822DT-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now
		DDR333	HY5DU56822BT-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			HY5DU56822DT-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
		DDR266A	HY5DU56822BT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
			HY5DU56822DT-K	TSOPII(66pin)	4Bank, 2.5V, CL2	Now
		DDR266B	HY5DU56822BT-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
	HY5DU56822DT-H		TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now	
	16Mx16	DDR400	HY5DU561622D(L)T-D43	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	Now
		DDR333	HY5DU561622D(L)T-J	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
		DDR266B	HY5DU561622D(L)T-H	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now

DDR2 SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.	
2Gb*	512Mx4	DDR2 533	HY5PS2G431M(P)-C4	FBGA(71ball)	8Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS2G431M(P)-E3	FBGA(71ball)	8Bank, 1.8V, CL3, 3-3-3	4Q04	
	256Mx8	DDR2 533	HY5PS2G831M(P)-C4	FBGA(71ball)	8Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS2G831M(P)-E3	FBGA(71ball)	8Bank, 1.8V, CL3, 3-3-3	4Q04	
1Gb	256Mx4	DDR2 533	HY5PS1G431F(P)-C4	FBGA(68ball)	8Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS1G431F(P)-E3	FBGA(68ball)	8Bank, 1.8V, CL3, 3-3-3	4Q04	
	128Mx8	DDR2 667	HY5PS1G831F(P)-Y5	FBGA(68ball)	8Bank, 1.8V, CL5, 5-5-5	4Q04	
		DDR2 533	HY5PS1G831F(P)-C4	FBGA(68ball)	8Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS1G831F(P)-E3	FBGA(68ball)	8Bank, 1.8V, CL3, 3-3-3	4Q04	
1Gb*	256Mx4	DDR2 533	HY5PS1G421M(P)-D4	FBGA(63ball)	4Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS1G421M(P)-E3	FBGA(63ball)	4Bank, 1.8V, CL3, 3-3-3	4Q04	
	128Mx8	DDR2 533	HY5PS1G821M(P)-C4	FBGA(63ball)	4Bank, 1.8V, CL4, 4-4-4	4Q04	
		DDR2 400	HY5PS1G821M(P)-E3	FBGA(63ball)	4Bank, 1.8V, CL3, 3-3-3	4Q04	
512Mb	128Mx4	DDR2 667	HY5PS12421BF(P)-Y5	FBGA(60ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05	
		DDR2 533	HY5PS12421F(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	4Q04	
			HY5PS12421BF(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
		DDR2 400	HY5PS12421F(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	Now	
			HY5PS12421BF(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	1Q05	
		64Mx8	DDR2 800	HY5PS12821AF(P)-S6	FBGA(84ball)	4Bank, 1.8V, CL6, 6-6-6	4Q04
				HY5PS12821BF(P)-S6	FBGA(84ball)	4Bank, 1.8V, CL6, 6-6-6	2Q05
			DDR2 667	HY5PS12821AF(P)-Y5	FBGA(84ball)	4Bank, 1.8V, CL5, 5-5-5	4Q04
	HY5PS12821BF(P)-Y5			FBGA(84ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05	
	DDR2 533		HY5PS12821F(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	Now	
			HY5PS12821BF(P)-C4	FBGA(84ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
	DDR2 400		HY5PS12821F(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	Now	
			HY5PS12821BF(P)-E3	FBGA(84ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
	32Mx16	DDR 800	HY5PS121621AF(P)-S6	FBGA(84ball)	4Bank, 1.8V, CL6, 6-6-6	4Q04	
			HY5PS121621BF(P)-S6	FBGA(84ball)	4Bank, 1.8V, CL6, 6-6-6	2Q05	
		DDR2 667	HY5PS121621AF(P)-Y5	FBGA(84ball)	4Bank, 1.8V, CL5, 5-5-5	4Q04	
			HY5PS121621BF(P)-Y5	FBGA(84ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05	
		DDR2 533	HY5PS121621F(P)-C4	FBGA(84ball)	4Bank, 1.8V, CL4, 4-4-4	Now	
			HY5PS121621BF(P)-C4	FBGA(84ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
		DDR2 400	HY5PS121621F(P)-E3	FBGA(84ball)	4Bank, 1.8V, CL3, 3-3-3	Now	
			HY5PS121621BF(P)-E3	FBGA(84ball)	4Bank, 1.8V, CL3, 3-3-3	1Q05	
	256Mb	64Mx4	DDR2 800	HY5PS56421AF(P)-S6	FBGA(60ball)	4Bank, 1.8V, CL6, 6-6-6	2Q05
			DDR2 667	HY5PS56421AF(P)-Y5	FBGA(60ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05
			DDR2 533	HY5PS56421F(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	Now
HY5PS56421AF(P)-C4				FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
DDR2 400			HY5PS56421F(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	Now	
			HY5PS56421AF(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	1Q05	
32Mx8		DDR2 800	HY5PS56821AF(P)-S6	FBGA(60ball)	4Bank, 1.8V, CL6, 6-6-6	2Q05	
		DDR2 667	HY5PS56821AF(P)-Y5	FBGA(60ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05	
		DDR2 533	HY5PS56821F(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	Now	
			HY5PS56821AF(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05	
		DDR2 400	HY5PS56821F(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	Now	

DDR2 SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
256Mb	32Mx8	DDR2 400	HY5PS56821AF(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	1Q05
	16Mx16	DDR2 800	HY5PS561621AF(P)-S6	FBGA(60ball)	4Bank, 1.8V, CL6, 6-6-6	2Q05
		DDR2 667	HY5PS561621AF(P)-Y5	FBGA(60ball)	4Bank, 1.8V, CL5, 5-5-5	1Q05
		DDR2 533	HY5PS561621F(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	Now
			HY5PS561621AF(P)-C4	FBGA(60ball)	4Bank, 1.8V, CL4, 4-4-4	1Q05
		DDR2 400	HY5PS561621F(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	Now
			HY5PS561621AF(P)-E3	FBGA(60ball)	4Bank, 1.8V, CL3, 3-3-3	1Q05

* DDP type Stack

SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.	
512Mb (Stack)	16Mx32	PC133	HY5V72D(L)M-H	FBGA(90ball)	4Bank, 3.3V, DDP	EOL	
		PC100	HY5V72D(L)M-P	FBGA(90ball)	4Bank, 3.3V, DDP	EOL	
256Mb	64Mx4	PC133	HY57V56420C(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC100	HY57V56420C(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V56420C(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now	
	32Mx8	PC133	HY57V56820C(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC100	HY57V56820C(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V56820C(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now	
	16Mx16	PC133	HY57V561620C(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
			PC100	HY57V561620C(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now
				HY57V561620C(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now
		166MHz(6ns)	HY57V561620C(L)T-6	TSOPII(54pin)	4Bank, 3.3V	Now	
		143MHz(7ns)	HY57V561620C(L)T-7	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC133	HY5V56D(S/L)F-H	FBGA(54ball)	4Bank, 3.3V	EOL	
		8Mx32	PC133	HY5V52C(L)F-H	FBGA(90ball)	4Bank, 3.3V, DDP	EOL
	PC100		HY5V52C(L)F-P	FBGA(90ball)	4Bank, 3.3V, DDP	EOL	
			HY5V52C(L)F-S	FBGA(90ball)	4Bank, 3.3V, DDP	EOL	
	166MHz(6ns)		HY5V52C(L)F-6	FBGA(90ball)	4Bank, 3.3V, DDP	EOL	
128Mb	32Mx4	PC133	HY57V28420HC(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC100	HY57V28420HC(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V28420HC(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now	
		166MHz(6ns)	HY57V28420HC(L)T-6	TSOPII(54pin)	4Bank, 3.3V	Now	
	16Mx8	PC133	HY57V28820HC(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC100	HY57V28820HCT-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V28820HCT-K	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V28820HCT-S	TSOPII(54pin)	4Bank, 3.3V	Now	
		166MHz(6ns)	HY57V28820HCT-6	TSOPII(54pin)	4Bank, 3.3V	Now	
		125MHz(8ns)	HY57V28820HCT-8	TSOPII(54pin)	4Bank, 3.3V	Now	
	8Mx16	PC133	HY57V281620HC(L/S)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC100	HY57V281620HC(L/S)T-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V281620HC(L/S)T-S	TSOPII(54pin)	4Bank, 3.3V	Now	
		200MHz(5ns)	HY57V281620HC(L)T-5	TSOPII(54pin)	4Bank, 3.3V	Now	
		183MHz(5.5ns)	HY57V281620HC(L)T-55	TSOPII(54pin)	4Bank, 3.3V	Now	
		166MHz(6ns)	HY57V281620HC(L)T-6	TSOPII(54pin)	4Bank, 3.3V	Now	
		143MHz(7ns)	HY57V281620HC(L)T-7	TSOPII(54pin)	4Bank, 3.3V	Now	
		125MHz(8ns)	HY57V281620HC(L)T-8	TSOPII(54pin)	4Bank, 3.3V	Now	
		PC133	HY57V281620DW-75	KGD	4Bank, 3.3V	Now	
			HY5V26D(L/S)F-H	FBGA(54ball)	4Bank, 3.3V	Now	
PC100	HY5V26D(L/S)F-P	FBGA(54ball)	4Bank, 3.3V	Now			
4Mx32	PC133	HY57V283220T-H	TSOPII(86pin)	4Bank, 3.3V	EOL		
	PC100	HY57V283220T-P	TSOPII(86pin)	4Bank, 3.3V	EOL		

* All SDRAM is Available for Lead Free and IT-Part.

SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
128Mb	4Mx32	PC100	HY57V283220T-5	TSOPII(86pin)	4Bank, 3.3V	EOL
		166MHz(6ns)	HY57V283220T-6	TSOPII(86pin)	4Bank, 3.3V	EOL
		143MHz(7ns)	HY57V283220T-7	TSOPII(86pin)	4Bank, 3.3V	EOL
		PC133	HY5V22F-H	FBGA(90ball)	4Bank, 3.3V	EOL
		PC133	HY5V22AF-H	FBGA(90ball)	4Bank, 3.3V	EOL
		PC100	HY5V22F-P	FBGA(90ball)	4Bank, 3.3V	EOL
			HY5V22AF-P	FBGA(90ball)	4Bank, 3.3V	EOL
			HY5V22F-S	FBGA(90ball)	4Bank, 3.3V	EOL
			HY5V22AF-S	FBGA(90ball)	4Bank, 3.3V	EOL
		PC133	HY5W22F-H	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22AF-H	FBGA(90ball)	4Bank, 2.5V	EOL
		PC100	HY5W22F-P	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22AF-P	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22F-S	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22AF-S	FBGA(90ball)	4Bank, 2.5V	EOL
		166MHz(6ns)	HY5V22FP-6	FBGA(90ball)	4Bank, 3.3V	EOL
			HY5V22AF-6	FBGA(90ball)	4Bank, 3.3V	EOL
		143MHz(7ns)	HY5V22F-7	FBGA(90ball)	4Bank, 3.3V	EOL
			HY5V22AF-7	FBGA(90ball)	4Bank, 3.3V	EOL
		166MHz(6ns)	HY5W22F-6	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22AF-6	FBGA(90ball)	4Bank, 2.5V	EOL
		143MHz(7ns)	HY5W22F-7	FBGA(90ball)	4Bank, 2.5V	EOL
			HY5W22AF-7	FBGA(90ball)	4Bank, 2.5V	EOL
		64Mb	16Mx4	PC133	HY57V64420HG(L)T-K	TSOPII(54pin)
HY57V64420HG(L)T-H	TSOPII(54pin)				4Bank, 3.3V	Now
PC100	HY57V64420HG(L)T-P			TSOPII(54pin)	4Bank, 3.3V	Now
	HY57V64420HG(L)T-S			TSOPII(54pin)	4Bank, 3.3V	Now
166MHz(6ns)	HY57V64420HG(L)T-6			TSOPII(54pin)	4Bank, 3.3V	Now
143MHz(7ns)	HY57V64420HG(L)T-7			TSOPII(54pin)	4Bank, 3.3V	Now
8Mx8	PC133		HY57V64820HG(L)T-K	TSOPII(54pin)	4Bank, 3.3V	Now
			HY57V64820E(L)T-K	TSOPII(54pin)	4Bank, 3.3V	4Q04
			HY57V64820HG(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now
			HY57V64820E(L)T-H	TSOPII(54pin)	4Bank, 3.3V	4Q04
	PC100		HY57V64820HG(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now
			HY57V64820E(L)T-P**	TSOPII(54pin)	4Bank, 3.3V	TBD
			HY57V64820HG(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now
			HY57V64820E(L)T-S**	TSOPII(54pin)	4Bank, 3.3V	TBD
166MHz(6ns)	HY57V64820HG(L)T-6	TSOPII(54pin)	4Bank, 3.3V	Now		
	HY57V64820E(L)T-6	TSOPII(54pin)	4Bank, 3.3V	4Q04		
143MHz(7ns)	HY57V64820HG(L)T-7	TSOPII(54pin)	4Bank, 3.3V	Now		
	HY57V64820E(L)T-7	TSOPII(54pin)	4Bank, 3.3V	4Q04		

* All SDRAM is Available for Lead Free and IT-Part.

** Hynix recommend customers requesting PC100 on E-version should be change to PC133 of speed which can be covered/guaranteed to PC100.

SDRAM COMPONENT

Density	Org.	Speed	Part Number	PKG.	Features	Avail.	
64Mb	4Mx16	PC133	HY57V641620DW-75	KGD	4Bank, 3.3V	Now	
			HY57V641620HG(L)T-K	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-K	TSOPII(54pin)	4Bank, 3.3V	4Q04	
			HY57V641620HG(L)T-H	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-H	TSOPII(54pin)	4Bank, 3.3V	4Q04	
		PC100	HY57V641620HG(L)T-P	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-P	TSOPII(54pin)	4Bank, 3.3V	TBD	
			HY57V641620HG(L)T-S	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-S	TSOPII(54pin)	4Bank, 3.3V	TBD	
		200MHz(5ns)	HY57V641620HG(L)T-5	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-5	TSOPII(54pin)	4Bank, 3.3V	4Q04	
		183MHz(5.5ns)	HY57V641620HG(L)T-55	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-55	TSOPII(54pin)	4Bank, 3.3V	4Q04	
		166MHz(6ns)	HY57V641620HG(L)T-6	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-6	TSOPII(54pin)	4Bank, 3.3V	4Q04	
		143MHz(7ns)	HY57V641620HG(L)T-7	TSOPII(54pin)	4Bank, 3.3V	Now	
			HY57V641620E(L)T-7	TSOPII(54pin)	4Bank, 3.3V	4Q04	
		PC133	HY5V66DF6-H	FBGA(60ball)	4Bank, 3.3V	Now	
			HY5V66DF6-K	FBGA(60ball)	4Bank, 3.3V	Now	
			HY5V66EF-H	FBGA(54ball)	4Bank, 3.3V	1Q05	
			HY5V66EF-K	FBGA(54ball)	4Bank, 3.3V	1Q05	
		PC100	HY5V66DF6-P	FBGA(60ball)	4Bank, 3.3V	Now	
			HY5V66DF6-S	FBGA(60ball)	4Bank, 3.3V	Now	
			HY5V66EF-P	FBGA(60ball)	4Bank, 3.3V	4Q04	
	HY5V66EF-S		FBGA(60ball)	4Bank, 3.3V	4Q04		
	200MHz(5ns)	HY5V66EF-5	FBGA(54ball)	4Bank, 3.3V	1Q05		
	183MHz(5.5ns)	HY5V66EF-55	FBGA(54ball)	4Bank, 3.3V	1Q05		
	166MHz(6ns)	HY5V66EF-6	FBGA(54ball)	4Bank, 3.3V	1Q05		
	143MHz(7ns)	HY5V66EF-7	FBGA(54ball)	4Bank, 3.3V	1Q05		
	2Mx32	200MHz(5ns)	HY57V643220DT-5	TSOPII(86pin)	4Bank, 3.3V	Now	
		183MHz(5.5ns)	HY57V643220DT-55	TSOPII(86pin)	4Bank, 3.3V	Now	
		166MHz(6ns)	HY57V643220DT-6	TSOPII(86pin)	4Bank, 3.3V	Now	
		143MHz(7ns)	HY57V643220DT-7	TSOPII(86pin)	4Bank, 3.3V	Now	
		125MHz(8ns)	HY57V643220DT-8	TSOPII(86pin)	4Bank, 3.3V	Now	
	16Mb	1Mx16	200MHz(5ns)	HY57V161610ET-5	TSOPII(50pin)	2Bank, 3.3V	Now
			183MHz(5.5ns)	HY57V161610ET-55	TSOPII(50pin)	2Bank, 3.3V	Now
166MHz(6ns)			HY57V161610ET-6	TSOPII(50pin)	2Bank, 3.3V	Now	
143MHz(7ns)			HY57V161610ET-7	TSOPII(50pin)	2Bank, 3.3V	Now	
133MHz(7.5ns)			HY57V161610EW-75	KGD	2Bank, 3.3V	Now	
			HY5V16EF6-75	FBGA(60ball)	2Bank, 3.3V	Now	
125MHz(8ns)			HY57V161610ET-8	TSOPII(50pin)	2Bank, 3.3V	Now	
100MHz(10ns)			HY5V16EF6-P	FBGA(60ball)	2Bank, 3.3V	Now	

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GRAPHICS DDR SDRAM

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
512Mb	32Mx16	200MHz(5ns)	HY5DU121622BT-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
			HY5DU121622CT-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	1Q05
		166MHz(6ns)	HY5DU121622BT-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
			HY5DU121622CT-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	1Q05
	16Mx32	500MHz(2ns)	HY5DU113222FM-2	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-2	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
		450MHz(2.2ns)	HY5DU113222FM-22	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-22	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
		400MHz(2.5ns)	HY5DU113222FM-25	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-25	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
		350MHz(2.8ns)	HY5DU113222FM-28	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-28	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
			HY5DS113222FM-28	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		300MHz(3.3ns)	HY5DU113222FM-33	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-33	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
			HY5DS113222FM-33	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		275MHz(3.6ns)	HY5DU113222FM-36	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW113222FM-36	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
HY5DS113222FM-36	FBGA(144ball)		4Bank, 1.8V/1.8V	4Q04		
256Mb	16Mx16	400MHz(2.5ns)	HY5DU561622CT-25	TSOPII(66pin)	4Bank, 2.8V/2.8V	Now
		350MHz(2.8ns)	HY5DU561622CT-28	TSOPII(66pin)	4Bank, 2.8V/2.8V	Now
			HY5DU561622ET-28	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05
		300MHz(3.3ns)	HY5DU561622CT-33	TSOPII(66pin)	4Bank, 2.6V/2.6V	Now
			HY5DU561622ET-33	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05
		275MHz(3.6ns)	HY5DU561622CT-36	TSOPII(66pin)	4Bank, 2.6V/2.6V	Now
			HY5DU561622ET-36	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05
		250MHz(4ns)	HY5DU561622CT-4	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
			HY5DU561622ET-4	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05
		200MHz(5ns)	HY5DU561622CT-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
			HY5DU561622DT-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
			HY5DU561622ET-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05
	166MHz(6ns)	HY5DU561622CT-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now	
		HY5DU561622DT-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now	
		HY5DU561622ET-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	2Q05	
	8Mx32	500MHz(2ns)	HY5DU573222F-2	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW573222F-2	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
		450MHz(2.2ns)	HY5DU573222F-22	FBGA(144ball)	4Bank, 2.5V/2.5V	Now
HY5DW573222F-22			FBGA(144ball)	4Bank, 2.5V/1.8V	Now	
400MHz(2.5ns)		HY5DU573222AFM-28	FBGA(144ball)	4Bank, 2.8V/2.8V	Now	
		HY5DU573222F-28	FBGA(144ball)	4Bank, 2.5V/2.5V	Now	
		HY5DW573222F-28	FBGA(144ball)	4Bank, 2.5V/1.8V	Now	
350MHz(2.8ns)		HY5DU573222AFM-28	FBGA(144ball)	4Bank, 2.8V/2.8V	Now	
		HY5DU573222F-28	FBGA(144ball)	4Bank, 2.5V/2.5V	Now	
		HY5DW573222F-28	FBGA(144ball)	4Bank, 2.5V/1.8V	Now	
	HY5DS573222F-28	FBGA(144ball)	4Bank, 1.8V/1.8V	Now		

GRAPHICS DDR SDRAM

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
256Mb	8Mx32	300MHz(3.3ns)	HY5DU573222AFM-33	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU573222F-33	FBGA(144ball)	4Bank, 2.5V/2.5V	Now
			HY5DW573222F-33	FBGA(144ball)	4Bank, 2.5V/1.8V	Now
			HY5DS573222F-33	FBGA(144ball)	4Bank, 1.8V/1.8V	Now
		275MHz(3.6ns)	HY5DU573222AFM-36	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU573222F-36	FBGA(144ball)	4Bank, 2.5V/2.5V	Now
			HY5DW573222F-36	FBGA(144ball)	4Bank, 2.5V/1.8V	Now
			HY5DS573222F-36	FBGA(144ball)	4Bank, 1.8V/1.8V	Now
128Mb	8Mx16	350MHz(2.8ns)	HY5DU281622ET-28	TSOPII(66pin)	4Bank, 2.8V/2.8V	Now
		300MHz(3.3ns)	HY5DU281622ET-33	TSOPII(66pin)	4Bank, 2.8V/2.8V	Now
		275MHz(3.6ns)	HY5DU281622ET-36	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		250MHz(4ns)	HY5DU281622ET-4	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		200MHz(5ns)	HY5DU281622ET-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		166MHz(6ns)	HY5DU281622ET-6	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
	4Mx32	500MHz(2ns)	HY5DU283222AF-2	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU283222BF-2	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW283222AF-2	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DW283222BF-2	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
		450MHz(2.2ns)	HY5DU283222AF-22	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU283222BF-22	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW283222AF-22	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DW283222BF-22	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
		400MHz(2.5ns)	HY5DU283222AF-25	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU283222BF-25	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW283222AF-25	FBGA(144ball)	4Bank, 2.5V/1.8V	Now
			HY5DW283222BF-25	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
		350MHz(2.8ns)	HY5DU283222AF-25	FBGA(144ball)	4Bank, 2.8V/2.8V	Now
			HY5DU283222BF-25	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW283222AF-25	FBGA(144ball)	4Bank, 2.5V/1.8V	Now
			HY5DW283222BF-25	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
			HY5DS283222BF-25	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		300MHz(3.3ns)	HY5DU283222AF-33	FBGA(144ball)	4Bank, 2.5V/2.5V	Now
			HY5DU283222AQ-33	LQFP(100pin)	4Bank, 2.5V/2.5V	Now
			HY5DU283222BF-33	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04
			HY5DW283222AF-33	FBGA(144ball)	4Bank, 2.5V/1.8V	Now
			HY5DW283222BF-33	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04
HY5DS283222BF-33	FBGA(144ball)		4Bank, 1.8V/1.8V	4Q04		
275MHz(3.6ns)	HY5DU283222AF-36	FBGA(144ball)	4Bank, 2.5V/2.5V	Now		
	HY5DU283222AQ-36	LQFP(100pin)	4Bank, 2.5V/2.5V	Now		
	HY5DU283222BF-36	FBGA(144ball)	4Bank, 2.5V/2.5V	4Q04		
	HY5DW283222AF-36	FBGA(144ball)	4Bank, 2.5V/1.8V	Now		
	HY5DW283222BF-36	FBGA(144ball)	4Bank, 2.5V/1.8V	4Q04		
	HY5DS283222BF-36	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04		
250MHz(4ns)	HY5DU283222AQ-4	LQFP(100pin)	4Bank, 2.5V/2.5V	Now		
200MHz(5ns)	HY5DU283222AQ-5	LQFP(100pin)	4Bank, 2.5V/2.5V	Now		

GRAPHICS DDR2 SDRAM

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
512Mb	32Mx16	400MHz(2.5ns)	HY5PS121621F-25	FBGA(84ball)	4Bank, 2.1V/2.1V	Now
			HY5PS121621AF-25	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		350MHz(2.8ns)	HY5PS121621F-28	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
			HY5PS121621AF-28	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		300MHz(3.3ns)	HY5PS121621F-33	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
			HY5PS121621AF-33	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		275MHz(3.6ns)	HY5PS121621F-36	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
HY5PS121621AF-36	FBGA(84ball)		4Bank, 1.8V/1.8V	2Q05		
256Mb	16Mx16	400MHz(2.5ns)	HY5PS561621F-25	FBGA(84ball)	4Bank, 2.1V/2.1V	Now
			HY5PS561621BF-25	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		350MHz(2.8ns)	HY5PS561621F-28	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
			HY5PS561621BF-28	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		300MHz(3.3ns)	HY5PS561621F-33	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
			HY5PS561621BF-33	FBGA(84ball)	4Bank, 1.8V/1.8V	2Q05
		275MHz(3.6ns)	HY5PS561621F-36	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
HY5PS561621BF-36	FBGA(84ball)		4Bank, 1.8V/1.8V	2Q05		

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
256Mb	8Mx32	800MHz(1.2ns)	HY5RS573225F-12	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		750MHz(1.3ns)	HY5RS573225F-13	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		700MHz(1.4ns)	HY5RS573225F-14	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		650MHz(1.5ns)	HY5RS573225F-15	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		600MHz(1.6ns)	HY5RS573225F-16	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		550MHz(1.8ns)	HY5RS573225F-18	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		500MHz(2.0ns)	HY5RS573225F-2	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
		450MHz(2.2ns)	HY5RS573225F-22	FBGA(144ball)	4Bank, 1.8V/1.8V	4Q04
512Mb	16Mx32	1GHz(1ns)	HY5RS113225F-1	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05
		900MHz(1.1ns)	HY5RS113225F-11	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05
		800MHz(1.2ns)	HY5RS113225F-12	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05
		700MHz(1.4ns)	HY5RS113225F-14	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05
		600MHz(1.6ns)	HY5RS113225F-16	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05
		500MHz(2.0ns)	HY5RS113225F-2	FBGA(136ball)	8Bank, 1.8V/1.8V	1Q05

MOBILE DDR / SDR

Mobile SDR

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
512Mb	32Mx16	133MHz(7.5ns)	HY5S7B6LF(p)-HE	FBGA(54ball)	4Bank, 1.8V/1.8V	2Q05
		105MHz(9.5ns)	HY5S7B6LF(p)-SE	FBGA(54ball)	4Bank, 1.8V/1.8V	2Q05
	16Mx32	133MHz(7.5ns)	HY5W7B2LF(P)-HE	FBGA(90ball)	4Bank, 2.5V/2.5V	2Q05
			HY5S7B2LF(P)-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	2Q05
		105MHz(9.5ns)	HY5W7B2LF(P)-PE	FBGA(90ball)	4Bank, 2.5V/2.5V	2Q05
			HY5S7B2LF(P)-SE	FBGA(90ball)	4Bank, 1.8V/1.8V	2Q05
256Mb	16Mx16	133MHz(7.5ns)	HY5Y5A6D(L/S)F(P)-HF	FBGA(54ball)	4Bank, 3.0V/3.0V	Now
			HY5W5A6D(L/S)F(P)-HF	FBGA(54ball)	4Bank, 2.5V/2.5V	Now
			HY5S5B6ELF(P)-HE	FBGA(54ball)	4Bank, 1.8V/1.8V	4Q04
	105MHz(9.5ns)	HY5Y5A6D(L/S)F(P)-PF	FBGA(54ball)	4Bank, 3.0V/3.0V	Now	
		HY5W5A6D(L/S)F(P)-PF	FBGA(54ball)	4Bank, 2.5V/2.5V	Now	
		HY5S5B6ELF(P)-PE	FBGA(54ball)	4Bank, 1.8V/1.8V	4Q04	
		HY5S5B6ELF(P)-SE	FBGA(54ball)	4Bank, 1.8V/1.8V	4Q04	
128Mb	8Mx16	133MHz(7.5ns)	HY5Y2B6DLF(P)-HE	FBGA(54ball)	4Bank, 3.0V/3.0V	Now
			HY5W2B6DLF(P)-HE	FBGA(54ball)	4Bank, 2.5V/2.5V	Now
	105MHz(9.5ns)	HY5Y2B6DLF(P)-PE	FBGA(54ball)	4Bank, 3.0V/3.0V	Now	
		HY5W2B6DLF(P)-PE	FBGA(54ball)	4Bank, 2.5V/2.5V	Now	
		HY5S2B6DLF(P)-SE	FBGA(54ball)	4Bank, 1.8V/1.8V	Now	
64Mb	4Mx16	133MHz(7.5ns)	HY5Y6B6DLF(P)-HE	FBGA(54ball)	4Bank, 3.0V/3.0V	Now
			HY5W6B6DLF(P)-HE	FBGA(54ball)	4Bank, 2.5V/2.5V	Now
	105MHz(9.5ns)	HY5Y6B6DLF(P)-PE	FBGA(54ball)	4Bank, 3.0V/3.0V	Now	
		HY5W6B6DLF(P)-PE	FBGA(54ball)	4Bank, 2.5V/2.5V	Now	
		HY5S6B6DLF(P)-SE	FBGA(54ball)	4Bank, 1.8V/1.8V	Now	

Mobile DDR

Density	Org.	Speed	Part Number	PKG.	Features	Avail.
512Mb	32Mx16	133MHz(266Mbps)	HY5MS7B6LF(P)-HE	FBGA(60ball)	4Bank, 1.8V/1.8V	2Q05
			HY5MW7B6LF(P)-HE	FBGA(60ball)	4Bank, 2.5V/2.5V	2Q05
		105MHz(200Mbps)	HY5MS7B6LF(P)-PE	FBGA(60ball)	4Bank, 1.8V/1.8V	2Q05
			HY5MS7B6LF(P)-SE	FBGA(60ball)	4Bank, 1.8V/1.8V	2Q05
	16Mx32	133MHz(266Mbps)	HY5MS7B2LF(P)-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	2Q05
			HY5MW7B2LF(P)-HE	FBGA(90ball)	4Bank, 2.5V/2.5V	2Q05
		105MHz(200Mbps)	HY5MS7B2LF(P)-PE	FBGA(90ball)	4Bank, 1.8V/1.8V	2Q05
	HY5MS7B2LF(P)-SE	FBGA(90ball)	4Bank, 1.8V/1.8V	2Q05		
256Mb	16Mx16	166MHz(333Mbps)	HY5MS5B6LF(P)-6E	FBGA(60ball)	4Bank, 1.8V/1.8V	1Q05
		133MHz(266Mbps)	HY5MS5B6LF(P)-HE	FBGA(60ball)	4Bank, 1.8V/1.8V	4Q04
		105MHz(200Mbps)	HY5MS5B6LF(P)-PE	FBGA(60ball)	4Bank, 1.8V/1.8V	4Q04
			HY5MS5B6LF(P)-SE	FBGA(60ball)	4Bank, 1.8V/1.8V	4Q04

* All Mobile DDR/SDR is Available for Lead Free



DRAM MODULE

MODULE PART NUMBERING

DDR SDRAM

DDR2 SDRAM

DDR SDRAM MODULE PART NUMBERING

HYM XX X XX X X X XX X X X X X X - X

HYNIX MODULE

SPEED

COMPONENT GROUP

D1 : 128Mb DDR SDRAM
 D2 : 256Mb DDR SDRAM
 D5 : 512Mb DDR SDRAM
 DG : 1Gb DDR SDRAM

D5 : DDR500 3-4-4
 D43 : DDR400 3-3-3
 D4 : DDR400 3-4-4
 J : DDR333 2.5-3-3
 M : DDR266 2-2-2
 K : DDR266A 2-3-3
 H : DDR266B 2.5-3-3
 L : DDR200 2-2-2

POWER SUPPLY & INTERFACE

BLANK : VDD 2.5V & VDDQ 2.5V
 W : VDD 2.5V & VDDQ 1.8V
 S : VDD 1.8V & VDDQ 1.8V

MODULE REVISION

MEMORY DEPTH

8 : 8M 25 : 256M
 16 : 16M 51 : 512M
 32 : 32M 1G : 1G
 64 : 64M 2G : 2G
 12 : 128M

BLANK : Original
 A~H : Module Rev.
 M : Low Profile
 R : Low Cost
 J : DDR333/400 Unbuffered DIMM
 N : DDR400 Registered DIMM
 U : IBM System Regatta E4
 K : DDR500 Unbuffered DIMM

MODULE TYPE

BLANK : 184pin Unbuffered DIMM
 G : 184pin Registered DIMM
 M : 200pin SO DIMM
 R : 200pin Registered DIMM
 E : 208pin Registered DIMM
 U : 172pin Micro SO DIMM

COMPONENT CONFIGURATION

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

DATA WIDTH

64 : x64
 72 : x72

PACKAGE MATERIAL

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

REFRESH / BANKS

1 : 4K Ref. / 2Banks 2 : 8K Ref. / 2Banks
 3 : 16k Ref. / 2Banks 5 : 4k Ref. / 4Banks
 6 : 8K Ref. / 4Banks 7 : 16K Ref. / 4Banks

PACKAGE STACK

BLANK : Single Die
 S : Hynix Stack
 K : M&T Stack
 J : Others Stack
 M : Hynix DDP

DIE GENERATION

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

PACKAGE TYPE

BLANK : TSOP
 F : FBGA

POWER CONSUMPTION

BLANK : Nomal
 L : Low Power

* All DDR Modules follow above part Numbering System
 * ROHS (Restriction Of Hazardous Substances)

DDR2 SDRAM MODULE PART NUMBERING

HYM XX X XX X X XX X X X X X - X

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
- 25 : 256M

MODULE TYPE

- B : Buffered DIMM
- E : 276Pin Registered DIMM
- M : 214pin Micro-DIMM
- N : 244pin Mini-DIMM
- P : 240pin Registered DIMM with address parity
- R : 240pin Registered DIMM
- S : 200pin SO-DIMM
- U : 240pin Unbuffered DIMM

DATA WIDTH

- 64 : x64
- 72 : x72

* **ROHS: Restriction Of Hazardous Substances**
 ** **Exception: 8K Ref./4Banks for DDP**
 *** **All DDR2 Modules follow above Part Numbering System**

SPEED

- S6 : DDR2-800 6-6-6
- S5 : DDR2-800 5-5-5
- Y6 : DDR2-667 6-6-6
- Y5 : DDR2-667 5-5-5
- Y4 : DDR2-667 4-4-4
- C5 : DDR2-533 5-5-5
- C4 : DDR2-533 4-4-4
- C3 : DDR2-533 3-3-3
- E4 : DDR2-400 4-4-4
- E3 : DDR2-400 3-3-3

MODULE REVISION

- BLANK : Original
- A~H : Module Rev.

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)

POWER CONSUMPTION

- BLANK : Nomal
- L : Low Power

DIE GENERATION

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

DDR SDRAM MODULE(184pin-Unbuffered)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
1GB	128Mx72 (ECC)	64Mx8	DDR400	HYMD512726A8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD512726B8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD512726C8J-D43	TSOPII(66pin)	2	1.25	4Q04
			DDR333	HYMD512726A8J-J	TSOPII(66pin)	2	1.25	Now
				HYMD512726B8J-J	TSOPII(66pin)	2	1.25	Now
				HYMD512726C8J-J	TSOPII(66pin)	2	1.25	4Q04
			DDR266B	HYMD512726A8-H	TSOPII(66pin)	2	1.25	Now
				HYMD512726B8-H	TSOPII(66pin)	2	1.25	Now
				HYMD512726C8-H	TSOPII(66pin)	2	1.25	4Q04
	128Mx64	64Mx8	DDR400	HYMD512646A8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD512646B8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD512646C8J-D43	TSOPII(66pin)	2	1.25	4Q04
			DDR333	HYMD512646A8J-J	TSOPII(66pin)	2	1.25	Now
				HYMD512646B8J-J	TSOPII(66pin)	2	1.25	Now
				HYMD512646C8J-J	TSOPII(66pin)	2	1.25	4Q04
			DDR266B	HYMD512646A8-H	TSOPII(66pin)	2	1.25	Now
				HYMD512646B8-H	TSOPII(66pin)	2	1.25	Now
				HYMD512646C8-H	TSOPII(66pin)	2	1.25	4Q04
512MB	64Mx72 (ECC)	64Mx8	DDR400	HYMD564726A8J-D43	TSOPII(66pin)	1	1.25	Now
				HYMD564726B8J-D43	TSOPII(66pin)	1	1.25	Now
				HYMD564726C8J-D43	TSOPII(66pin)	1	1.25	4Q04
			DDR333	HYMD564726A8J-J	TSOPII(66pin)	1	1.25	Now
				HYMD564726B8J-J	TSOPII(66pin)	1	1.25	Now
				HYMD564726C8J-J	TSOPII(66pin)	1	1.25	4Q04
			DDR266B	HYMD564726A8-H	TSOPII(66pin)	1	1.25	Now
				HYMD564726B8-H	TSOPII(66pin)	1	1.25	Now
				HYMD564726C8-H	TSOPII(66pin)	1	1.25	4Q04
		32Mx8	DDR400	HYMD264726B8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD264726D8J-D43	TSOPII(66pin)	2	1.25	Now
				HYMD264726B8J-J	TSOPII(66pin)	2	1.25	Now
			DDR333	HYMD264726D8J-J	TSOPII(66pin)	2	1.25	Now
				HYMD264726B8-K	TSOPII(66pin)	2	1.25	Now
			DDR266A	HYMD264726D8-K	TSOPII(66pin)	2	1.25	Now
				HYMD264726B8-H	TSOPII(66pin)	2	1.25	Now
			DDR266B	HYMD264726D8-H	TSOPII(66pin)	2	1.25	Now
				HYMD264726B8-H	TSOPII(66pin)	2	1.25	Now
	64Mx64	64Mx8	DDR400	HYMD564646A8J-D43	TSOPII(66pin)	1	1.25	Now
				HYMD564646B8J-D43	TSOPII(66pin)	1	1.25	Now
				HYMD564646C8J-D43	TSOPII(66pin)	1	1.25	4Q04
			DDR333	HYMD564646A8J-J	TSOPII(66pin)	1	1.25	Now
				HYMD564646B8J-J	TSOPII(66pin)	1	1.25	Now
				HYMD564646C8J-J	TSOPII(66pin)	1	1.25	4Q04
			DDR266B	HYMD564646A8-H	TSOPII(66pin)	1	1.25	Now
				HYMD564646B8-H	TSOPII(66pin)	1	1.25	Now



MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
512MB	64Mx64	64Mx8	DDR266B	HYMD564646C8-H	TSOPII(66pin)	1	1.25	4Q04
			32Mx8	DDR500	HYMD264646D8J-D5	TSOPII(66pin)	2	1.25
		DDR400	HYMD264646B8J-D43	TSOPII(66pin)	2	1.25	Now	
			HYMD264646D8J-D43	TSOPII(66pin)	2	1.25	Now	
		DDR333	HYMD264646B8J-J	TSOPII(66pin)	2	1.25	Now	
			HYMD264646D8J-J	TSOPII(66pin)	2	1.25	Now	
		DDR266A	HYMD264646B8-K	TSOPII(66pin)	2	1.25	Now	
			HYMD264646D8-K	TSOPII(66pin)	2	1.25	Now	
DDR266B	HYMD264646B8-H	TSOPII(66pin)	2	1.25	Now			
	HYMD264646D8-H	TSOPII(66pin)	2	1.25	Now			
256MB	32Mx72 (ECC)	32Mx8	DDR400	HYMD232726B8J-D43	TSOPII(66pin)	1	1.25	Now
				HYMD232726D8J-D43	TSOPII(66pin)	1	1.25	Now
			DDR333	HYMD232726B8J-J	TSOPII(66pin)	1	1.25	Now
				HYMD232726D8J-J	TSOPII(66pin)	1	1.25	Now
			DDR266A	HYMD232726B8-K	TSOPII(66pin)	1	1.25	Now
				HYMD232726D8-K	TSOPII(66pin)	1	1.25	Now
	DDR266B	HYMD232726B8-H	TSOPII(66pin)	1	1.25	Now		
		HYMD232726D8-H	TSOPII(66pin)	1	1.25	Now		
	32Mx64	32Mx8	DDR500	HYMD232646D8J-D5	TSOPII(66pin)	1	1.25	Now
				DDR400	HYMD232646B8J-D43	TSOPII(66pin)	1	1.25
			HYMD232646D8J-D43	TSOPII(66pin)	1	1.25	Now	
				DDR333	HYMD232646B8J-J	TSOPII(66pin)	1	1.25
HYMD232646D8J-J			TSOPII(66pin)	1	1.25	Now		
			DDR266A	HYMD232646B8-K	TSOPII(66pin)	1	1.25	Now
HYMD232646D8-K	TSOPII(66pin)	1	1.25	Now				
	DDR266B	HYMD232646B8-H	TSOPII(66pin)	1	1.25	Now		
HYMD232646D8-H	TSOPII(66pin)	1	1.25	Now				
	128MB	16Mx64	16Mx16	DDR400	HYMD216646B6J-D43	TSOPII(66pin)	1	1.25
HYMD216646D6J-D43					TSOPII(66pin)	1	1.25	Now
DDR333				HYMD216646B6J-J	TSOPII(66pin)	1	1.25	Now
				HYMD216646D6J-J	TSOPII(66pin)	1	1.25	Now
DDR266A				HYMD216646B6-K	TSOPII(66pin)	1	1.25	Now
				HYMD216646D6-K	TSOPII(66pin)	1	1.25	Now
DDR266B	HYMD216646B6-H	TSOPII(66pin)	1	1.25	Now			
	HYMD216646D6-H	TSOPII(66pin)	1	1.25	Now			

DDR SDRAM MODULE(184pin-Registered)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
2GB	256Mx72	128Mx4 (Planar Stack)	DDR400	HYMD525G726CF4-D43	FBGA(60ball)	2	1.2	4Q04
			DDR333	HYMD525G726CF4-J	FBGA(60ball)	2	1.2	4Q04
		256Mx4 (Stack)	DDR266A	HYMD525G726AS4-K	TSOPII(66pin)	2	1.7	Now
				HYMD525G726AS4M-K	TSOPII(66pin)	2	1.2	Now
				HYMD525G726BS4-K	TSOPII(66pin)	2	1.7	Now
				HYMD525G726BS4M-K	TSOPII(66pin)	2	1.2	Now
				HYMD525G726CS4M-K	TSOPII(66pin)	2	1.2	4Q04
		DDR266B	HYMD525G726AS4-H	TSOPII(66pin)	2	1.7	Now	
			HYMD525G726AS4M-H	TSOPII(66pin)	2	1.2	Now	
			HYMD525G726BS4-H	TSOPII(66pin)	2	1.7	Now	
			HYMD525G726BS4M-H	TSOPII(66pin)	2	1.2	Now	
			HYMD525G726CS4M-H	TSOPII(66pin)	2	1.2	4Q04	
		DDR200	HYMD525G726AS4-L	TSOPII(66pin)	2	1.7	Now	
			HYMD525G726AS4M-L	TSOPII(66pin)	2	1.2	Now	
			HYMD525G726BS4-L	TSOPII(66pin)	2	1.7	Now	
			HYMD525G726BS4M-L	TSOPII(66pin)	2	1.2	Now	
HYMD525G726CS4M-L	TSOPII(66pin)		2	1.2	4Q04			
1GB	128Mx72	128Mx4	DDR400	HYMD512G726BF4N-D43	FBGA(60ball)	1	1.2	Now
				HYMD512G726CF4N-D43	FBGA(60ball)	1	1.2	4Q04
			DDR333	HYMD512G726BF4N-J	FBGA(60ball)	1	1.2	Now
				HYMD512G726CF4N-J	FBGA(60ball)	1	1.2	4Q04
		64Mx4 (Planar Stack)	DDR400	HYMD212G726BF4-D43	FBGA(60ball)	2	1.2	Now
				HYMD212G726DF4-D43	FBGA(60ball)	2	1.2	Now
			DDR333	HYMD212G726BF4-J	FBGA(60ball)	2	1.2	Now
				HYMD212G726DF4-J	FBGA(60ball)	2	1.2	Now
		128Mx4 (Stack)	DDR266A	HYMD212G726BS4-K	TSOPII(66pin)	2	1.7	Now
				HYMD212G726DS4-K	TSOPII(66pin)	2	1.7	Now
				HYMD212G726BS4M-K	TSOPII(66pin)	2	1.2	Now
				HYMD212G726DS4M-K	TSOPII(66pin)	2	1.2	Now
			DDR266B	HYMD212G726BS4-H	TSOPII(66pin)	2	1.7	Now
				HYMD212G726DS4-H	TSOPII(66pin)	2	1.7	Now
				HYMD212G726BS4M-H	TSOPII(66pin)	2	1.2	Now
				HYMD212G726DS4M-H	TSOPII(66pin)	2	1.2	Now
DDR200	HYMD212G726BS4-L	TSOPII(66pin)	2	1.7	Now			
	HYMD212G726DS4-L	TSOPII(66pin)	2	1.7	Now			
512MB	64Mx72	32Mx8	DDR266A	HYMD264G726B8-K	TSOPII(66pin)	2	1.7	Now
				HYMD264G726D8-K	TSOPII(66pin)	2	1.7	Now
				HYMD264G726B8M-K	TSOPII(66pin)	2	1.2	Now
				HYMD264G726D8M-K	TSOPII(66pin)	2	1.2	Now
			DDR266B	HYMD264G726B8-H	TSOPII(66pin)	2	1.7	Now
				HYMD264G726D8-H	TSOPII(66pin)	2	1.7	Now
				HYMD264G726B8M-KH	TSOPII(66pin)	2	1.2	Now
				HYMD264G726D8M-H	TSOPII(66pin)	2	1.2	Now

DDR SDRAM MODULE(184pin-Registered)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
512MB	64Mx72	64Mx4	DDR400	HYMD264G726BF4N-D43	FBGA(60ball)	1	1.2	Now
				HYMD264G726DF4N-D43	FBGA(60ball)	1	1.2	4Q04
			DDR333	HYMD264G726BF4N-J	FBGA(60ball)	1	1.2	Now
				HYMD264G726DF4N-J	FBGA(60ball)	1	1.2	4Q04
			DDR266A	HYMD264G726B4-K	TSOPII(66pin)	1	1.7	Now
				HYMD264G726D4-K	TSOPII(66pin)	1	1.7	Now
				HYMD264G726B4M-K	TSOPII(66pin)	1	1.2	Now
				HYMD264G726D4M-K	TSOPII(66pin)	1	1.2	Now
		DDR266B	HYMD264G726B4-H	TSOPII(66pin)	1	1.7	Now	
			HYMD264G726D4-H	TSOPII(66pin)	1	1.7	Now	
			HYMD264G726B4M-H	TSOPII(66pin)	1	1.2	Now	
			HYMD264G726D4M-H	TSOPII(66pin)	1	1.2	Now	
		64Mx8	DDR400	HYMD564G726BF8N-D43	FBGA(60ball)	1	1.2	Now
				HYMD564G726CF8N-D43	FBGA(60ball)	1	1.2	4Q04
			DDR333	HYMD564G726BF8N-J	FBGA(60ball)	1	1.2	Now
				HYMD564G726CF8N-J	FBGA(60ball)	1	1.2	4Q04
256MB	32Mx72	32Mx8	DDR400	HYMD232G726BF8N-D43	FBGA(60ball)	1	1.2	Now
				HYMD232G726DF8N-D43	FBGA(60ball)	1	1.2	Now
			DDR333	HYMD232G726BF8N-J	FBGA(60ball)	1	1.2	Now
				HYMD232G726DF8N-J	FBGA(60ball)	1	1.2	Now
			DDR266A	HYMD232G726B8-K	TSOPII(66pin)	1	1.7	Now
				HYMD232G726D8-K	TSOPII(66pin)	1	1.7	Now
				HYMD232G726B8M-K	TSOPII(66pin)	1	1.2	Now
				HYMD232G726D8M-K	TSOPII(66pin)	1	1.2	Now
			DDR266B	HYMD232G726B8-H	TSOPII(66pin)	1	1.7	Now
				HYMD232G726D8-H	TSOPII(66pin)	1	1.7	Now
				HYMD232G726B8M-H	TSOPII(66pin)	1	1.2	Now
				HYMD232G726D8M-H	TSOPII(66pin)	1	1.2	Now

DDR SDRAM MODULE(200pin-SODIMM)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.				
Density	Org.											
1GB	128Mx64	64Mx8 (Planar Stack)	DDR400	HYMD512M646B(L)F8-D43	FBGA(60ball)	2	1.25	Now				
				HYMD512M646C(L)F8-D43	FBGA(60ball)	2	1.25	4Q04				
			DDR333	HYMD512M646B(L)F8-J	FBGA(60ball)	2	1.25	Now				
				HYMD512M646C(L)F8-J	FBGA(60ball)	2	1.25	4Q04				
			DDR266B	HYMD512M646B(L)F8-H	FBGA(60ball)	2	1.25	Now				
				HYMD512M646C(L)F8-H	FBGA(60ball)	2	1.25	4Q04				
512MB	64MX64	32MX16	DDR400	HYMD564M646A(L)6-D43	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646B(L)6-D43	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646C(L)6-D43	TSOPII(66pin)	2	1.25	4Q04				
			DDR333	HYMD564M646A(L)6-J	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646B(L)6-J	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646C(L)6-J	TSOPII(66pin)	2	1.25	4Q04				
			DDR266B	HYMD564M646A(L)6-H	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646B(L)6-H	TSOPII(66pin)	2	1.25	Now				
				HYMD564M646C(L)6-H	TSOPII(66pin)	2	1.25	4Q04				
			256MB	32Mx64	16Mx16	DDR400	HYMD232M646D(L)6-D43	TSOPII(66pin)	2	1.25	Now	
							DDR333	HYMD232M646D(L)6-J	TSOPII(66pin)	2	1.25	Now
							DDR266A	HYMD232M646D(L)6-K	TSOPII(66pin)	2	1.25	Now
DDR266B	HYMD232M646D(L)6-H	TSOPII(66pin)				2	1.25	Now				
	DDR400	HYMD232M646B(L)8-D43				TSOPII(66pin)	1	1.25	Now			
		HYMD232M646D(L)8-D43				TSOPII(66pin)	1	1.25	Now			
	DDR333	HYMD232M646B(L)8-J				TSOPII(66pin)	1	1.25	Now			
HYMD232M646D(L)8-J		TSOPII(66pin)			1	1.25	Now					
DDR266A	HYMD232M646B(L)8-K	TSOPII(66pin)			1	1.25	Now					
	HYMD232M646D(L)8-K	TSOPII(66pin)			1	1.25	Now					
	DDR266B	HYMD232M646B(L)8-H			TSOPII(66pin)	1	1.25	Now				
HYMD232M646D(L)8-H		TSOPII(66pin)			1	1.25	Now					
128MB	16Mx64	16Mx16			DDR400	HYMD216M646D(L)6-D43	TSOPII(66pin)	1	1.25	Now		
						DDR333	HYMD216M646D(L)6-J	TSOPII(66pin)	1	1.25	Now	
			DDR266A	HYMD216M646D(L)6-K		TSOPII(66pin)	1	1.25	Now			
			DDR266B	HYMD216M646D(L)6-H		TSOPII(66pin)	1	1.25	Now			

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.	
Density	Org.								
2GB	256Mx64	128Mx8	DDR2 533 4-4-4	HYMP125U648-C4	FBGA(68ball)	2	30mm	4Q04	
			DDR2 400 3-3-3	HYMP125U648-E3	FBGA(68ball)	2	30mm	4Q04	
	256Mx72	128Mx8	DDR2 533 4-4-4	HYMP125U728-C4	FBGA(68ball)	2	30mm	4Q04	
			DDR2 400 3-3-3	HYMP125U728-E3	FBGA(68ball)	2	30mm	4Q04	
1GB	128Mx64	128Mx8	DDR2 533 4-4-4	HYMP112U648-C4	FBGA(68ball)	1	30mm	4Q04	
			DDR2 400 3-3-3	HYMP112U648-E3	FBGA(68ball)	1	30mm	4Q04	
	128Mx72	128Mx8	DDR2 533 4-4-4	HYMP112U728-C4	FBGA(68ball)	1	30mm	4Q04	
			DDR2 400 3-3-3	HYMP112U728-E3	FBGA(68ball)	1	30mm	4Q04	
	128Mx64	64Mx8	DDR2 667 5-5-5	HYMP512U648-Y5	FBGA(60ball)	2	30mm	4Q04	
				HYMP512U64A(P)8-Y5	FBGA(60ball)	2	30mm	4Q04	
				HYMP512U64B(P)8-Y5	FBGA(60ball)	2	30mm	2Q05	
			DDR2 533 4-4-4	HYMP512U648-C4	FBGA(60ball)	2	30mm	Now	
				HYMP512U64B(P)8-C4	FBGA(60ball)	2	30mm	2Q05	
			DDR2 400 3-3-3	HYMP512U648-E3	FBGA(60ball)	2	30mm	Now	
	DDR2 400 3-3-3	HYMP512U64B(P)8-E3	FBGA(60ball)	2	30mm	2Q05			
		128Mx72	64Mx8	DDR2 667 5-5-5	HYMP512U728-Y5	FBGA(60ball)	2	30mm	4Q04
	HYMP512U72A(P)8-Y5				FBGA(60ball)	2	30mm	4Q04	
	HYMP512U72B(P)8-Y5				FBGA(60ball)	2	30mm	2Q05	
	DDR2 533 4-4-4	HYMP512U728-C4	FBGA(60ball)	2	30mm	Now			
			HYMP512U72B(P)8-C4	FBGA(60ball)	2	30mm	2Q05		
	DDR2 400 3-3-3	HYMP512U728-E3	FBGA(60ball)	2	30mm	Now			
			HYMP512U72B(P)8-E3	FBGA(60ball)	2	30mm	2Q05		
	512MB	64Mx64	32Mx8	DDR2 667 5-5-5	HYMP264U64A(P)8-Y5	FBGA(60ball)	2	30mm	2Q05
					HYMP264U648-C4	FBGA(60ball)	2	30mm	Now
DDR2 400 3-3-3				HYMP264U64A(P)8-C4	FBGA(60ball)	2	30mm	2Q05	
				HYMP264U648-E3	FBGA(60ball)	2	30mm	Now	
DDR2 400 3-3-3		HYMP264U64A(P)8-E3	FBGA(60ball)	2	30mm	2Q05			
		64Mx72	32Mx8	DDR2 667 5-5-5	HYM264U72A(P)8-Y5	FBGA(60ball)	2	30mm	2Q05
DDR2 533 4-4-4					HYMP264U728-C4	FBGA(60ball)	2	30mm	Now
					HYM264U72A(P)8-C4	FBGA(60ball)	2	30mm	2Q05
DDR2 400 3-3-3		HYMP264U728-E3	FBGA(60ball)	2	30mm	Now			
			HYM264U72A(P)8-E3	FBGA(60ball)	2	30mm	2Q05		
64Mx64		64Mx8	DDR2 667 5-5-5	HYMP564U648-Y5	FBGA(60ball)	1	30mm	4Q04	
				HYMP564U64A(P)8-Y5	FBGA(60ball)	1	30mm	4Q04	
				HYMP564U64B(P)8-Y5	FBGA(60ball)	1	30mm	2Q05	
			DDR2 533 4-4-4	HYMP564U648-C4	FBGA(60ball)	1	30mm	Now	
				HYMP564U64B(P)8-C4	FBGA(60ball)	1	30mm	2Q05	
			DDR2 400 3-3-3	HYMP564U648-E3	FBGA(60ball)	1	30mm	Now	
	HYMP564U64B(P)8-E3				FBGA(60ball)	1	30mm	2Q05	
	64Mx72		64Mx8	DDR2 667 5-5-5	HYMP564U728-Y5	FBGA(60ball)	1	30mm	4Q04
HYMP564U72A(P)8-Y5		FBGA(60ball)			1	30mm	4Q04		
HYMP564U72B(P)8-Y5		FBGA(60ball)			1	30mm	2Q05		
DDR2 533 4-4-4		HYMP564U728-C4		FBGA(60ball)	1	30mm	Now		

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
512MB	64Mx72	64Mx8	DDR2 533 4-4-4	HYMP564U72B(P)8-C4	FBGA(60ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP564U728-E3	FBGA(60ball)	1	30mm	Now
				HYMP564U72B(P)8-E3	FBGA(60ball)	1	30mm	2Q05
256MB	32Mx64	32Mx8	DDR2 667 5-5-5	HYMP232U64A(P)8-Y5	FBGA(60ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP232U648-C4	FBGA(60ball)	1	30mm	Now
				HYMP232U64A(P)8-C4	FBGA(60ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP232U648-E3	FBGA(60ball)	1	30mm	Now
	HYMP232U64A(P)8-E3	FBGA(60ball)		1	30mm	2Q05		
	32Mx72	32Mx8	DDR2 667 5-5-5	HYMP232U72A(P)8-Y5	FBGA(60ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP232U728-C4	FBGA(60ball)	1	30mm	Now
				HYMP232U72A(P)8-C4	FBGA(60ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP232U728-E3	FBGA(60ball)	1	30mm	Now
	HYMP232U72A(P)8-E3	FBGA(60ball)		1	30mm	2Q05		
	32Mx64	32Mx16	DDR2 667 5-5-5	HYMP532U646-Y5	FBGA(84ball)	1	30mm	4Q04
				HYMP532U64A(P)6-Y5	FBGA(84ball)	1	30mm	4Q04
HYMP532U64B(P)6-Y5				FBGA(84ball)	1	30mm	2Q05	
DDR2 533 4-4-4			HYMP532U646-C4	FBGA(84ball)	1	30mm	Now	
			HYMP532U64B(P)6-C4	FBGA(84ball)	1	30mm	2Q05	
DDR2 400 3-3-3			HYMP532U646-E3	FBGA(84ball)	1	30mm	Now	
	HYMP532U64B(P)6-E3	FBGA(84ball)	1	30mm	2Q05			
32Mx72	32Mx16	DDR2 667 5-5-5	HYMP532U726-Y5	FBGA(84ball)	1	30mm	4Q04	
			HYMP532U72A(P)6-Y5	FBGA(84ball)	1	30mm	4Q04	
			HYMP532U72B(P)6-Y5	FBGA(84ball)	1	30mm	2Q05	
		DDR2 533 4-4-4	HYMP532U726-C4	FBGA(84ball)	1	30mm	Now	
			HYMP532U72B(P)6-C4	FBGA(84ball)	1	30mm	2Q05	
		DDR2 400 3-3-3	HYMP532U726-E3	FBGA(84ball)	1	30mm	Now	
HYMP532U72B(P)6-E3	FBGA(84ball)		1	30mm	2Q05			
128MB	16Mx64	16Mx16	DDR2 667 5-5-5	HYMP216U64A(P)6-Y5	FBGA(84ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP216U64A(P)6-C4	FBGA(84ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP216U64A(P)6-E3	FBGA(84ball)	1	30mm	2Q05

DDR2 SDRAM MODULE(240pin-Registered)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.		
Density	Org.									
4GB	512Mx72	512Mx4 (Stack)	DDR2 533 4-4-4	HYMP351R72M4-C4	FBGA(71ball)	2	30mm	1Q05		
			DDR2 400 3-3-3	HYMP351R72M4-E3	FBGA(71ball)	2	30mm	4Q04		
2GB	256Mx72	256Mx4	DDR2 533 4-4-4	HYMP125R724-C4	FBGA(68ball)	1	30mm	1Q05		
			DDR2 400 3-3-3	HYMP125R724-E3	FBGA(68ball)	1	30mm	4Q04		
		25Mx4 (Stack)	DDR2 533 4-4-4	HYMP125R72M4-C4	FBGA(63ball)	2	30mm	1Q05		
			DDR2 400 3-3-3	HYMP125R72M4-E3	FBGA(63ball)	2	30mm	4Q04		
		128Mx8	DDR2 533 4-4-4	HYMP125R728-C4	FBGA(68ball)	2	30mm	4Q04		
			DDR2 400 3-3-3	HYMP125R728-E3	FBGA(68ball)	2	30mm	4Q04		
1GB	128Mx72	128Mx4	DDR2 533 4-4-4	HYMP512R724-C4	FBGA(60ball)	1	30mm	4Q04		
				HYMP512R72B(P)4-C4	FBGA(60ball)	1	30mm	1Q05		
				HYMP512B72B(P)4-C4	FBGA(60ball)	1	30mm	1Q05		
			DDR2 400 3-3-3	HYMP512R724-E3	FBGA(60ball)	1	30mm	Now		
				HYMP512R72B(P)4-E3	FBGA(60ball)	1	30mm	1Q05		
			128Mx8	DDR2 533 4-4-4	HYMP112R728-C4	FBGA(68ball)	1	30mm	4Q04	
		DDR2 400 3-3-3		HYMP112R728-E3	FBGA(68ball)	1	30mm	4Q04		
		64Mx8	DDR2 533 4-4-4	HYMP512R728-C4	FBGA(60ball)	2	30mm	4Q04		
				HYMP512R72B(P)8-C4	FBGA(60ball)	2	30mm	1Q05		
				HYMP512B72B(P)8-C4	FBGA(60ball)	2	30mm	1Q05		
			DDR2 400 3-3-3	HYMP512R728-E3	FBGA(60ball)	2	30mm	Now		
				HYMP512R72B(P)8-E3	FBGA(60ball)	2	30mm	1Q05		
			512MB	64Mx72	64Mx4	DDR2 533 4-4-4	HYMP264R724-C4	FBGA(60ball)	1	30mm
		HYMP264R72A(P)4-C4					FBGA(60ball)	1	30mm	1Q05
		HYMP264B72A(P)4-C4					FBGA(60ball)	1	30mm	1Q05
		DDR2 400 3-3-3				HYMP264R724-E3	FBGA(60ball)	1	30mm	Now
						HYMP264R72A(P)4-E3	FBGA(60ball)	1	30mm	1Q05
		64Mx8				DDR2 533 4-4-4	HYMP564R728-C4	FBGA(60ball)	1	30mm
HYMP564R72B(P)8-C4	FBGA(60ball)				1		30mm	1Q05		
HYMP564B72B(P)8-C4	FBGA(60ball)				1		30mm	1Q05		
DDR2 400 3-3-3	HYMP564R728-E3				FBGA(60ball)	1	30mm	Now		
	HYMP564R72B(P)8-E3				FBGA(60ball)	1	30mm	1Q05		
32Mx8	DDR2 533 4-4-4				HYMP264R728-C4	FBGA(60ball)	2	30mm	4Q04	
		HYMP264R72A(P)8-C4			FBGA(60ball)	2	30mm	1Q05		
		HYMP264B72A(P)8-C4			FBGA(60ball)	2	30mm	1Q05		
	DDR2 400 3-3-3	HYMP264R728-E3			FBGA(60ball)	2	30mm	Now		
		HYMP264R72A(P)8-E3			FBGA(60ball)	2	30mm	1Q05		
	256MB	32Mx72			32Mx8	DDR2 533 4-4-4	HYMP232R728-C4	FBGA(60ball)	1	30mm
HYMP232R72A(P)8-C4							FBGA(60ball)	1	30mm	1Q05
HYMP232B72A(P)8-C4							FBGA(60ball)	1	30mm	1Q05
DDR2 400 3-3-3			HYMP232R728-E3	FBGA(60ball)		1	30mm	Now		
			HYMP232R72A(P)8-E3	FBGA(60ball)		1	30mm	1Q05		

DDR2 SDRAM MODULE(200pin-SODIMM)

MODULE		Based Component	Speed	Part Number	Component PKG.	#Of Bank	Height	Avail.
Density	Org.							
2GB	256Mx64	256Mx8 (Stack)	DDR2 533 4-4-4	HYMP325S64M8-C4	FBGA(71ball)	2	30mm	1Q05
			DDR2 400 3-3-3	HYMP325S64M8-E3	FBGA(71ball)	2	30mm	4Q04
1GB	128Mx64	128Mx8	DDR2 533 4-4-4	HYMP112S648-C4	FBGA(68ball)	1	30mm	4Q04
			DDR2 400 3-3-3	HYMP112S648-E3	FBGA(68ball)	1	30mm	4Q04
		128Mx8 (Stack)	DDR2 533 4-4-4	HYMP112S64M8-C4	FBGA(63ball)	2	30mm	4Q04
			DDR2 400 3-3-3	HYMP112S64M8-E3	FBGA(63ball)	2	30mm	4Q04
512MB	64Mx64	64Mx8	DDR2 667 5-5-5	HYMP564S64B(P)8-Y5	FBGA(60ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP564S648-C4	FBGA(60ball)	1	30mm	Now
				HYMP564S64B(P)8-C4	FBGA(60ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP564S648-E3	FBGA(60ball)	1	30mm	Now
		HYMP564S64B(P)8-E3		FBGA(60ball)	1	30mm	2Q05	
		32Mx16	DDR2 667 5-5-5	HYMP564S64B(P)6-Y5	FBGA(60ball)	2	30mm	2Q05
			DDR2 533 4-4-4	HYMP564S646-C4	FBGA(84ball)	2	30mm	Now
				HYMP564S64B(P)6-C4	FBGA(84ball)	2	30mm	2Q05
			DDR2 400 3-3-3	HYMP564S646-E3	FBGA(84ball)	2	30mm	Now
		HYMP564S64B(P)6-E3		FBGA(84ball)	2	30mm	2Q05	
256MB	32Mx64	32Mx8	DDR2 667 5-5-5	HYMP232S64A(P)8-Y5	FBGA(60ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP232S64A(P)8-C4	FBGA(60ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP232S64A(P)8-E3	FBGA(60ball)	1	30mm	2Q05
		32Mx16	DDR2 667 5-5-5	HYMP532S64B(P)6-Y5	FBGA(84ball)	1	30mm	2Q05
			DDR2 533 4-4-4	HYMP532S646-C4	FBGA(84ball)	1	30mm	Now
				HYMP532S64B(P)6-C4	FBGA(84ball)	1	30mm	2Q05
			DDR2 400 3-3-3	HYMP532S646-E3	FBGA(84ball)	1	30mm	Now
		HYMP532S64B(P)6-E3		FBGA(84ball)	1	30mm	2Q05	
		16Mx16	DDR2 667 5-5-5	HYMP232S64A(P)6-Y5	FBGA(84ball)	2	30mm	2Q05
			DDR2 533 4-4-4	HYMP232S64A(P)6-C4	FBGA(84ball)	2	30mm	2Q05
			DDR2 400 3-3-3	HYMP232S64A(P)6-E3	FBGA(84ball)	2	30mm	2Q05
		128MB	16Mx64	16Mx16	DDR2 533 4-4-4	HYMP216S64A(P)6-C4	FBGA(84ball)	1
DDR2 400 3-3-3	HYMP216S64A(P)6-E3				FBGA(84ball)	1	30mm	2Q05