

Q2' 2008

Short Form Catalog

hynix Semiconductor

■ Back ground

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

■ Target Product

- Devices developed after 2007-09-01 and their respective products will be identified with the new part numbering system
- Refer to the following pages for more details

■ Contact for detail information

- Information:

http://www.hynix.com/pn_notice.jsp

- Contact Us:

http://www.hynix.com/eng/00_hynix/contact.jsp

Graphics Memory – GDDR SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
256Mb	16Mx16	300MHz (3.3ns)	HY5DU561622ETP-33	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		275MHz (3.6ns)	HY5DU561622ETP-36	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		250MHz (4ns)	HY5DU561622ETP-4	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now
		200MHz (5ns)	HY5DU561622ETP-5	TSOPII(66pin)	4Bank, 2.5V/2.5V	Now

Graphics Memory – DDR2 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	64Mx16	400MHz (2.5ns)	HY5PS1G1631CFP-25	FBGA(84ball)	8Bank, 1.8V/1.8V	Now
		400MHz (2.5ns)	HY5PS1G1631CFR-25	FBGA(84ball)	8Bank, 1.8V/1.8V	Now
512Mb	32Mx16	600MHz (1.6ns)	H5PS5162FFR-16C	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		500MHz(2.0ns)	H5PS5162FFR-20C	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		500MHz (2.0ns)	H5PS5162FFR-20L	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		400MHz (2.5ns)	H5PS5162FFR-25C	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		500MHz (2.0ns)	HY5PS121621CFP-2	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		450MHz(2.2ns)	HY5PS121621CFP-22	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		400MHz (2.5ns)	HY5PS121621CFP-25	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		350MHz (2.8ns)	HY5PS121621CFP-28	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		300MHz (3.3ns)	HY5PS121621CFP-33	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
256Mb	16Mx16	600Mhz (1.6ns)	HY5PS561621BFP-16	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		500MHz (2.0ns)	HY5PS561621BFP-2	FBGA(84ball)	4Bank, 2.0V/2.0V	Now
		500MHz (2.0ns)	HY5PS561621BFP-2L	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		450MHz(2.2ns)	HY5PS561621BFP-22	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		400MHz (2.5ns)	HY5PS561621BFP-25	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		350MHz (2.8ns)	HY5PS561621BFP-28	FBGA(84ball)	4Bank, 1.8V/1.8V	Now

Graphics Memory – GDDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.		
1Gb	64Mx16	600MHz (1.6ns)	H5TQ1G63AFR-16C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
		500MHz (2.0ns)	H5TQ1G63AFR-20C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
512Mb	32Mx16	800MHz (1.2ns)	H5TQ5163MFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
		700MHz(1.4ns)	H5TQ5163MFR-14C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
		600MHz (1.6ns)	H5TQ5163MFR-16C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
		500MHz (2.0ns)	H5TQ5163MFR-20C	FBGA(96ball)	8Bank, 1.5V/1.5V	Q2'08		
	16Mx32	1,200MHz(0.8ns)	H5RS5223CFR-N2C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now		
		1,000Mhz(1.0ns)	H5RS5223CFR-N0C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now		
		900Mhz(1.1ns)	H5RS5223CFR-11C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		700Mhz(1.4ns)	H5RS5223CFR-14C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		500Mhz(2.0ns)	H5RS5223CFR-20C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		700Mhz(1.4ns)	H5RS5223CFR-14L	FBGA(136ball)	8Bank, 1.5V/1.5V	Now		
		550Mhz(1.8ns)	H5RS5223CFR-18C	FBGA(136ball)	8Bank, 1.5V/1.5V	Now		
		1,200MHz(0.8ns)	HY5RS123235BFP-08	FBGA(136ball)	8Bank, 2.05V/2.05V	Now		
		1,000Mhz(1.0ns)	HY5RS123235BFP-1	FBGA(136ball)	8Bank, 2.05V/2.05V	Now		
		900Mhz(1.1ns)	HY5RS123235BFP-11	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		700Mhz(1.4ns)	HY5RS123235BFP-14	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		500Mhz(2.0ns)	HY5RS123235BFP-2	FBGA(136ball)	8Bank, 1.8V/1.8V	Now		
		700Mhz(1.4ns)	HY5RS123235BFP-14L	FBGA(136ball)	8Bank, 1.5V/1.5V	Now		
		550Mhz(1.8ns)	HY5RS123235BFP-18L	FBGA(136ball)	8Bank, 1.5V/1.5V	Now		
		256Mb	8Mx32	1,200MHz(0.8ns)	HY5RS573225BFP-08	FBGA(136ball)	4Bank, 2.05V/2.05V	Now
				1,000Mhz(1.0ns)	HY5RS573225BFP-1	FBGA(136ball)	4Bank, 2.05V/2.05V	Now
900Mhz(1.1ns)	HY5RS573225BFP-11			FBGA(136ball)	4Bank, 1.8V/1.8V	Now		
700Mhz(1.4ns)	HY5RS573225BFP-14			FBGA(136ball)	4Bank, 1.8V/1.8V	Now		
550Mhz(1.8ns)	HY5RS573225BFP-18			FBGA(136ball)	4Bank, 1.8V/1.8V	Now		
700Mhz(1.4ns)	HY5RS573225BFP-14L			FBGA(136ball)	4Bank, 1.5V/1.5V	Now		
550Mhz(1.8ns)	HY5RS573225BFP-18L			FBGA(136ball)	4Bank, 1.5V/1.5V	Now		

Graphics Memory – GDDR4 SDRAM



DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
512Mb	16Mx32	1,600Mhz(0.6ns)	HY5FS123235AFCP-06	FBGA(136ball)	8Bank, 2.0V/2.0V	Now
		1,400Mhz(0.7ns)	HY5FS123235AFCP-07	FBGA(136ball)	8Bank, 2.0V/2.0V	Now
		1,200MHz(0.8ns)	HY5FS123235AFCP-08	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		1,100Mhz(0.9ns)	HY5FS123235AFCP-09	FBGA(136ball)	8Bank, 1.8V/1.8V	Now

Graphics Memory – GDDR5 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	32Mx32	5.0Gbps	H5GQ1H24MJR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	Q2'08
		4.5Gbps	H5GQ1H24MJR-T1C	FBGA(170ball)	16Bank, 1.5V/1.5V	Q2'08
		4.0Gbps	H5GQ1H24MJR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Q2'08
		3.6Gbps	H5GQ1H24MJR-N8C	FBGA(170ball)	16Bank, 1.5V/1.5V	Q2'08
		3.2Gbps	H5GQ1H24MJR-N6C	FBGA(170ball)	16Bank, 1.5V/1.5V	Q2'08
512Mb	16Mx32	5.0Gbps	H5GQ5224MJR-T2C	FBGA(170ball)	8Bank, 1.5V/1.5V	Q2'08
		4.5Gbps	H5GQ5224MJR-T1C	FBGA(170ball)	8Bank, 1.5V/1.5V	Q2'08
		4.0Gbps	H5GQ5224MJR-T0C	FBGA(170ball)	8Bank, 1.5V/1.5V	Q2'08
		3.6Gbps	H5GQ5224MJR-N8C	FBGA(170ball)	8Bank, 1.5V/1.5V	Q2'08
		3.2Gbps	H5GQ5224MJR-N6C	FBGA(170ball)	8Bank, 1.5V/1.5V	Q2'08