

Q4' 2010 DATABOOK

Rev 0.0

Green Environment 
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GRAPHICS DDR2 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	64Mx16	500MHz (2.0ns)	H5PS1G63EFR-20L	FBGA(84ball)	8Bank, 1.8V/1.8V	EOL:Oct.
		400MHz (2.5ns)	H5PS1G63EFR-25C	FBGA(84ball)	8Bank, 1.8V/1.8V	EOL:Oct.
			HY5PS1G1631CFR-25C	FBGA(84ball)	8Bank, 1.8V/1.8V	EOL:Oct.
512Mb	32Mx16	600MHz (1.6ns)	H5PS5162FFR-16C	FBGA(84ball)	4Bank, 2.0V/2.0V	EOL:Oct.
		500MHz (2.0ns)	H5PS5162FFR-20C	FBGA(84ball)	4Bank, 2.0V/2.0V	EOL:Oct.
			H5PS5162FFR-20L	FBGA(84ball)	4Bank, 1.8V/1.8V	EOL:Oct.
			H5PS5162FFR-25C	FBGA(84ball)	4Bank, 1.8V/1.8V	EOL:Oct.

GRAPHICS DDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	128Mx16	1GHz (1.0ns)	H5TQ2G63BFR-N0C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		900MHz (1.1ns)	H5TQ2G63BFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		800MHz (1.2ns)	H5TQ2G63BFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
1Gb	64Mx16	1GHz (1.0ns)	H5TQ1G63DFR-N0C	FBGA(96ball)	8Bank, 1.5V/1.5V	Oct.
		900MHz (1.1ns)	H5TQ1G63DFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Oct.
		800MHz (1.2ns)	H5TQ1G63BFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
			H5TQ1G63DFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Oct.
		700MHz(1.4ns)	H5TQ1G63BFR-14C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now



DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	32Mx32	1,300MHz(0.77ns)	H5RS1H23MFR-N3C	FBGA(136ball)	8banks, 1.9V/1.9V	Now
		1,200MHz(0.8ns)	H5RS1H23MFR-N2C	FBGA(136ball)	8banks, 1.9V/1.9V	Now
		1,000MHz(1.0ns)	H5RS1H23MFR-N0C	FBGA(136ball)	8banks, 1.9V/1.9V	Now
		900MHz(1.1ns)	H5RS1H23MFR-11C	FBGA(136ball)	8banks, 1.8V/1.8V	Now
		700MHz(1.4ns)	H5RS1H23MFR-14C	FBGA(136ball)	8banks, 1.8V/1.8V	Now
512Mb	16Mx32	1,300MHz(0.77ns)	H5RS5223CFR-N3C	FBGA(136ball)	8Bank, 2.05V/2.05V	EOL:Oct.
			H5RS5223DFR-N3C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		1,200MHz(0.8ns)	H5RS5223CFR-N2C	FBGA(136ball)	8Bank, 2.05V/2.05V	EOL:Oct.
			H5RS5223DFR-N2C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		1,000MHz(1.0ns)	H5RS5223CFR-N0C	FBGA(136ball)	8Bank, 2.05V/2.05V	EOL:Oct.
			H5RS5223DFR-N0C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		900MHz(1.1ns)	H5RS5223CFR-11C	FBGA(136ball)	8Bank, 1.8V/1.8V	EOL:Oct.
			H5RS5223DFR-11C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		700MHz(1.4ns)	H5RS5223CFR-14C	FBGA(136ball)	8Bank, 1.8V/1.8V	EOL:Oct.
			H5RS5223CFR-14L	FBGA(136ball)	8Bank, 1.5V/1.5V	EOL:Oct.
			H5RS5223DFR-14C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		500MHz(2.0ns)	H5RS5223CFR-20C	FBGA(136ball)	8Bank, 1.8V/1.8V	EOL:Oct.
			H5RS5223DFR-20C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		550MHz(1.8ns)	H5RS5223CFR-18C	FBGA(136ball)	8Bank, 1.5V/1.5V	EOL:Oct.



DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	64Mx32	6.0Gbps	H5GQ2H24MFR-R0C	FBGA(170ball)	16Bank, 1.6V/1.6V	Now
		4.0Gbps		FBGA(170ball)	16Bank, 1.35V/1.35V	Now
		5.0Gbps	H5GQ2H24MFR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		3.6Gbps		FBGA(170ball)	16Bank, 1.35V/1.35V	Now
		4.0Gbps	H5GQ2H24MFR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
1Gb	32Mx32	6.0Gbps	H5GQ1H24AFR-R0C	FBGA(170ball)	16Bank, 1.6V/1.6V	Now
		5.5Gbps	H5GQ1H24AFR-T3C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		5.0Gbps	H5GQ1H24AFR-T2L	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		3.2Gbps		FBGA(170ball)	16Bank, 1.35V/1.35V	Now
		5.0Gbps	H5GQ1H24AFR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.5Gbps	H5GQ1H24AFR-T1C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.0Gbps	H5GQ1H24AFR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now