

SK Hynix
Dreams
Good Memory



Q1' 2013 DATABOOK



Graphics Memory

DDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	256Mx16	1.1GHz (0.9ns)	H5TQ4G63AFR-N1C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		1.0GHz (1.0ns)	H5TC4G63AFR-N0C	FBGA(96ball)	8Bank, 1.35V/1.35V	Now
		1.0GHz (1.0ns)	H5TC4G63AFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		900MHz (1.1ns)		FBGA(96ball)	8Bank, 1.35V/1.35V	Now
		900MHz (1.1ns)	H5TQ4G63MFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		800MHz (1.2ns)	H5TQ4G63MFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
2Gb	128Mx16	1.1GHz (0.9ns)	H5TQ2G63FFR-N1C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		1.0GHz (1.0ns)	H5TC2G63FFR-N0C	FBGA(96ball)	8Bank, 1.35V/1.35V	Now
		1.0GHz (1.0ns)	H5TC2G63FFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		900MHz (1.1ns)		FBGA(96ball)	8Bank, 1.35V/1.35V	Now
		1.1GHz (0.9ns)	H5TQ2G63DFR-N1C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		1.0GHz (1.0ns)	H5TQ2G63DFR-N0C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		900MHz (1.1ns)	H5TQ2G63DFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		1.0GHz (1.0ns)	H5TC2G63DFR-N0C	FBGA(96ball)	8Bank, 1.35V/1.35V	Now
		900MHz (1.1ns)	H5TC2G63DFR-11C	FBGA(96ball)	8Bank, 1.35V/1.35V	Now
1Gb	64Mx16	900MHz (1.1ns)	H5TQ1G63EFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now



Graphics Memory

GDDR5 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	128Mx32	7.0Gbps	H5GQ4H24MFR-R2C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q1'13
		5.5Gbps	H5GC4H24MFR-T3C	FBGA(170ball)	16Bank, 1.35V/1.35V	CS: Q1'13
		6.0Gbps	H5GC4H24MFR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q1'13
		5.0Gbps			16Bank, 1.35V/1.35V	CS: Q1'13
		5.0Gbps	H5GC4H24MFR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q1'13
		4.0Gbps			16Bank, 1.35V/1.35V	CS: Q1'13
2Gb	64Mx32	7.0Gbps	H5GQ2H24BFR-R2C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q3'13
		5.5Gbps	H5GC2H24BFR-T3C	FBGA(170ball)	16Bank, 1.35V/1.35V	CS: Q3'13
		6.0Gbps	H5GC2H24BFR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q3'13
		5.0Gbps			16Bank, 1.35V/1.35V	CS: Q3'13
		5.0Gbps	H5GC2H24BFR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	CS: Q3'13
		4.0Gbps			16Bank, 1.35V/1.35V	CS: Q3'13
		7.0Gbps	H5GQ2H24AFR-R2C	FBGA(170ball)	16Bank, 1.6V/1.6V	Now
		6.0Gbps	H5GQ2H24AFR-R0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		5.0Gbps	H5GQ2H24AFR-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		5.0Gbps	H5GC2H24AFR-T2C	FBGA(170ball)	16Bank, 1.35V/1.35V	Now
		4.0Gbps	H5GC2H24AFR-T0C	FBGA(170ball)	16Bank, 1.35V/1.35V	Now
		1Gb	32Mx32	6.0Gbps	H5GQ1H24BFR-R0C	FBGA(170ball)
5.0Gbps	H5GQ1H24BFR-T2C			FBGA(170ball)	16Bank, 1.5V/1.5V	Now
4.0Gbps	H5GQ1H24BFR-T0C			FBGA(170ball)	16Bank, 1.5V/1.5V	Now



Graphics Memory

GDDR5M SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	256Mx16	4.0Gbps	H5HQ4H63MFR-T0C	FBGA(96ball)	8Bank, 1.5V/1.5V	CS: Q3'13
		3.6Gbps	H5HC4H63MFR-N8C	FBGA(96ball)	8Bank, 1.35V/1.35V	CS: Q3'13
		3.6Gbps	H5HC4H63MFR-N6C	FBGA(96ball)	8Bank, 1.5V/1.5V	CS: Q3'13
		3.2Gbps		FBGA(96ball)	8Bank, 1.35V/1.35V	CS: Q3'13