

Q4'2014 DATABOOK

Rev 0.0





DDR4 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	512Mx8	DDR4 2400	H5AN4G8NMFR-UH	FBGA(78ball)	16Bank, 1.2V,CL17,17-17-17	Now
		DDR4 2133	H5AN4G8NMFR-TF	FBGA(78ball)	16Bank, 1.2V,CL15,15-15-15	Now
		DDR4 1866	H5AN4G8NMFR-RD	FBGA(78ball)	16Bank, 1.2V,CL13,13-13-13	Now
	256Mx16	DDR4 2400	H5AN4G6NMFR-UH	FBGA(96ball)	8Bank, 1.2V,CL17,17-17-17	Now
		DDR4 2133	H5AN4G6NMFR-TF	FBGA(96ball)	8Bank, 1.2V,CL15,15-15-15	Now
		DDR4 2133	H5AN4G6NMFR-TF	FBGA(96ball)	8Bank, 1.2V,CL15,15-15-15	Now



DDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
8Gb(2CS)	1Gx8	DDR3 1866	H5TQ8G83AMR-RD	FBGA(78ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC8G83AMR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1600	H5TQ8G83AFR-PB	FBGA(78ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC8G83AFR-PB	FBGA(78ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1333	H5TQ8G83AFR-H9	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC8G83AFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
	512Mx16	DDR3 1866	H5TQ8G63AMR-RD	FBGA(96ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC8G63AMR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1600	H5TQ8G63AFR-PB	FBGA(96ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC8G63AFR-PB	FBGA(96ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1333	H5TQ8G63AFR-H9	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC8G63AFR-H9	FBGA(96ball)	8Bank, 1.35V, CL9,9-9-9	Now



DDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	512Mx8	DDR3 2133	H5TQ4G83AFR-TE	FBGA(78ball)	8Bank, 1.5V, CL14,14-14-14	Now
			H5TC4G83CFR-TE	FBGA(78ball)	8Bank, 1.5V, CL14,14-14-14	Now
		DDR3 1866	H5TQ4G83AFR-RD	FBGA(78ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC4G83AFR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	Now
			H5TQ4G83CFR-RD	FBGA(78ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC4G83CFR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1600	H5TQ4G83AFR-PB	FBGA(78ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC4G83AFR-PB	FBGA(78ball)	8Bank, 1.35V, CL11,11-11-11	Now
			H5TQ4G83CFR-PB	FBGA(78ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC4G83CFR-PB	FBGA(78ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1333	H5TQ4G83AFR-H9	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC4G83AFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			H5TQ4G83CFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			H5TC4G83CFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
		DDR3 1066	H5TQ4G83AFR-G7	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
			H5TC4G83AFR-G7	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
	H5TQ4G83CFR-G7		FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now	
	H5TC4G83CFR-G7		FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now	
	256Mx16	DDR3 2133	H5TQ4G63AFR-TE	FBGA(96ball)	8Bank, 1.5V, CL14,14-14-14	Now
			H5TC4G63CFR-TE	FBGA(96ball)	8Bank, 1.5V, CL14,14-14-14	Now
		DDR3 1866	H5TQ4G63AFR-RD	FBGA(96ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC4G63AFR-RD	FBGA(96ball)	8Bank, 1.35V, CL13,13-13-13	Now
			H5TQ4G63CFR-RD	FBGA(96ball)	8Bank, 1.5V, CL13,13-13-13	Now
			H5TC4G63CFR-RD	FBGA(96ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1600	H5TQ4G63AFR-PB	FBGA(96ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC4G63AFR-PB	FBGA(96ball)	8Bank, 1.35V, CL11,11-11-11	Now
			H5TQ4G63CFR-PB	FBGA(96ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC4G63CFR-PB	FBGA(96ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1333	H5TQ4G63AFR-H9	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC4G63AFR-H9	FBGA(96ball)	8Bank, 1.35V, CL9,9-9-9	Now
			H5TQ4G63CFR-H9	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC4G63CFR-H9	FBGA(96ball)	8Bank, 1.35V, CL9,9-9-9	Now
DDR3 1066		H5TQ4G63AFR-G7	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now	
		H5TC4G63AFR-G7	FBGA(96ball)	8Bank, 1.35V, CL7,7-7-7	Now	
		H5TQ4G63CFR-G7	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now	
		H5TC4G63CFR-G7	FBGA(96ball)	8Bank, 1.35V, CL7,7-7-7	Now	



DDR3 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	256Mx8	DDR3 2133	H5TQ2G83FFR-TE	FBGA(78ball)	8Bank, 1.5V, CL14,14-14-14	Now
			H5TC2G83FFR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1866	H5TQ2G83FFR-RD	FBGA(78ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC2G83FFR-PB	FBGA(78ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1600	H5TQ2G83FFR-PB	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC2G83FFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
		DDR3 1333	H5TQ2G83FFR-H9	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
			H5TC2G83FFR-G7	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
	128Mx16	DDR3 2133	H5TQ2G63FFR-TE	FBGA(96ball)	8Bank, 1.5V, CL14,14-14-14	Now
			H5TC2G63FFR-RD	FBGA(96ball)	8Bank, 1.35V, CL13,13-13-13	Now
		DDR3 1866	H5TQ2G63FFR-RD	FBGA(96ball)	8Bank, 1.5V, CL11,11-11-11	Now
			H5TC2G63FFR-RB	FBGA(96ball)	8Bank, 1.35V, CL11,11-11-11	Now
		DDR3 1600	H5TQ2G63FFR-RB	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			H5TC2G63FFR-H9	FBGA(96ball)	8Bank, 1.35V, CL9,9-9-9	Now
		DDR3 1333	H5TQ2G63FFR-H9	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now
			H5TC2G63FFR-G7	FBGA(96ball)	8Bank, 1.35V, CL7,7-7-7	Now
1Gb	128Mx16	DDR3 2133	H5TQ1G83EFR-TE	FBGA(78ball)	8Bank, 1.5V, CL14,14-14-14	EOL:Q1'15
			H5TC1G83EFR-RD	FBGA(78ball)	8Bank, 1.35V, CL13,13-13-13	EOL:Q1'15
		DDR3 1866	H5TQ1G83EFR-RD	FBGA(78ball)	8Bank, 1.5V, CL11,11-11-11	EOL:Q1'15
			H5TC1G83EFR-PB	FBGA(78ball)	8Bank, 1.35V, CL11,11-11-11	EOL:Q1'15
		DDR3 1600	H5TQ1G83EFR-PB	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	EOL:Q1'15
			H5TC1G83EFR-H9	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	EOL:Q1'15
		DDR3 1333	H5TQ1G83EFR-H9	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	EOL:Q1'15
			H5TC1G83EFR-G7	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	EOL:Q1'15
	64Mx16	DDR3 2133	H5TQ1G63EFR-TE	FBGA(96ball)	8Bank, 1.5V, CL14,14-14-14	EOL:Q1'15
			H5TC1G63EFR-RD	FBGA(96ball)	8Bank, 1.35V, CL13,13-13-13	EOL:Q1'15
		DDR3 1866	H5TQ1G63EFR-RD	FBGA(96ball)	8Bank, 1.5V, CL11,11-11-11	EOL:Q1'15
			H5TC1G63EFR-PB	FBGA(96ball)	8Bank, 1.35V, CL11,11-11-11	EOL:Q1'15
		DDR3 1600	H5TQ1G63EFR-PB	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	EOL:Q1'15
			H5TC1G63EFR-H9	FBGA(96ball)	8Bank, 1.35V, CL9,9-9-9	EOL:Q1'15
		DDR3 1333	H5TQ1G63EFR-H9	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	EOL:Q1'15
			H5TC1G63EFR-G7	FBGA(96ball)	8Bank, 1.35V, CL7,7-7-7	EOL:Q1'15



DDR2 SDRAM

DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	64Mx8	DDR2 1066	H5PS1G83KFR-G7	FBGA(60ball)	8Bank, 1.8V, 7-7-7	Now
		DDR2 800	H5PS1G83KFR-S5	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 667	H5PS1G83KFR-Y5	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
	64Mx16	DDR2 1066	H5PS1G63KFR-G7	FBGA(84ball)	8Bank, 1.8V, 7-7-7	Now
		DDR2 800	H5PS1G63KFR-S5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 667	H5PS1G63KFR-Y5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
512Mb	64Mx8	DDR2 1066	H5PS5182KFR-G7	FBGA(60ball)	4Bank, 1.8V, 7-7-7	Now
		DDR2 800	H5PS5182KFR-S5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 667	H5PS5182KFR-Y5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	Now
	32Mx16	DDR2 1066	H5PS5162KFR-G7	FBGA(84ball)	4Bank, 1.8V, 7-7-7	Now
		DDR2 800	H5PS5162KFR-S5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 667	H5PS5162KFR-Y5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	Now



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With the industry's leading process technology and innovate design skills, SK hynix continuously introduces groundbreaking products that are high in performance and low in energy consumption giving its significant advantages over competition and securing global market leadership.