SK Hynix
Dreams
Good Memory

Q1' 2013 DATABOOK

SK hynix

Rev 0.2

DENSITY	ORG.	SPEED	PART NUMBER	Package	FEATURE	Availability
2Gb	64M x 16	166MHz	H55S2G62MFP-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2G62MFP-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	166MHz	H55S2G22MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2G22MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32 (reduced page size)	166MHz	H55S2G32MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2G32MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
1Gb	64M x 16	166MHz	H55S1G62MFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G62MFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S1G62AFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G62AFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	166MHz	H55S1G22MFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G22MFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S1G22AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G22AFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32 (reduced page size)	166MHz	H55S1G32MFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G32MFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S1G32AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S1G32AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
512M	32M x 16	166MHz	H55S5162DFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5162DFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S5162EFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5162EFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	16M x 32	166MHz	H55S5122DFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5122DFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S5122EFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5122EFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	16M x 32 (reduced page size)	166MHz	H55S5132DFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5132DFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S5132EFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S5132EFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now

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DENSITY	ORG.	SPEED	PART NUMBER	Package	FEATURE	Availability
256Mb	16M x 16	166MHz	H55S2562JFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2562JFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S2562NFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2562NFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	8M x 32	166MHz	H55S2622JFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2622JFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S2622NFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2622NFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	8M x 32 (reduced page size)	166MHz	H55S2532JFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2532JFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz	H55S2532NFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz	H55S2532NFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now

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DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	64M x 16	DDR400	H5MS2G62MFR-EBM	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G62MFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2G62AFR-EBM	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G62AFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	DDR400	H5MS2G22BFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G32BFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2G22MFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G22MFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2G22AFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G22AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32 (reduced page size)	DDR400	H5MS2G32BFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G32BFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2G32MFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G32MFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2G32AFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2G32AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
1Gb	64M x 16	DDR400	H5MS1G62AFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G62AFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS1G62BFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G62BFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	DDR400	H5MS1G22AFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G22AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS1G22BFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G22BFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32 (reduced page size)	DDR400	H5MS1G32AFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G32AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS1G32BFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS1G32BFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now

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DENSITY	ORG.	SPEED	PART NUMBER	Package	FEATURE	Availability
512Mb	32M x 16	DDR400	H5MS5162DFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5162DFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5162EFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5162EFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5162FFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5162FFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	16M x 32	DDR400	H5MS5122DFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5122DFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5122EFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5122EFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5122FFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5122FFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	16M x 32 (reduced page size)	DDR400	H5MS5132DFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5132DFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5132EFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5132EFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS5132FFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS5132FFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
256Mb	16M x 16	DDR400	H5MS2562JFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2562JFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2562NFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2562NFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	8M x 32	DDR400	H5MS2622JFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2622JFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2622NFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2622NFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	8M x 32 (reduced page size)	DDR400	H5MS2532JFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2532JFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR400	H5MS2532NFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		DDR333	H5MS2532NFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now

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DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
4Gb	64M x 32	DDR2-1066	H9TKNNN4GDMPLR-NGM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR2-800	H9TKNNN4GDMPLR-NDM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
2Gb	64M x 32	DDR2-1066	H9TKNNN2GDAPLR-NGM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR2-800	H9TKNNN2GDAPLR-NDM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR2-800	H9TKNNN2GDMPLR-NDM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR2-667	H9TKNNN2GDMPLR-NYM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
1Gb	64M x32	DDR2-800	H9TKNNN1GDAPLR-NDM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR2-667	H9TKNNN1GDAPLR-NYM	FBGA(168ball)	8Bank, 1.8V/1.2V/1.2V	Now

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DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
16Gb	64M x32	DDR3-1600	H9CKNNNBPTMRLR-NTM	FBGA(216ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR3-1333	H9CKNNNBPTMRLR-NKM	FBGA(216ball)	8Bank, 1.8V/1.2V/1.2V	Now
8Gb	64M x 32	DDR3-1600	H9CKNNN8KTMRLR-NTM	FBGA(216ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR3-1333	H9CKNNN8KTMRLR-NKM	FBGA(216ball)	8Bank, 1.8V/1.2V/1.2V	Now
4Gb	64M x 32	DDR3-1600	H9CCNNN4GTMLAR-NTM	FBGA(178ball)	8Bank, 1.8V/1.2V/1.2V	Now
		DDR3-1333	H9CCNNN4GTMLAR-NKM	FBGA(178ball)	8Bank, 1.8V/1.2V/1.2V	Now

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