



Q2' 2010 Databook

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VDD	DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1.5V	1Gb	256Mx4	DDR3 1333	H5TQ1G43BFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ1G43TFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ1G43BFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ1G43TFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
		128Mx8	DDR3 1333	H5TQ1G83BFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ1G83TFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ1G83BFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ1G83TFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
		64Mx16	DDR3 1333	H5TQ1G63BFR-H9C	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
		64Mx16	DDR3 1066	H5TQ1G63BFR-G7C	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now
	2Gb	512Mx4	DDR3 1333	H5TQ2G43AFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ2G43BFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G43AFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ2G43BFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
		256Mx8	DDR3 1333	H5TQ2G83MFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	EOL
				H5TQ2G83AFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ2G83BFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G83MFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	EOL
				H5TQ2G83AFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ2G83BFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
		128x16	DDR3 1333	H5TQ2G63BFR-H9C	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G63BFR-G7C	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now
	4Gb	1Gx4 (DDP)	DDR3 1333	H5TQ4G43BMR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Jun '10
			DDR3 1066	H5TQ4G43BMR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Jun '10
1.35V	1Gb	256Mx4	DDR3 1333	H5TC1G43TFR-H9A	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC1G43TFR-G7A	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
		128Mx8	DDR3 1333	H5TC1G83TFR-H9A	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC1G83TFR-G7A	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
	2Gb	512Mx4	DDR3 1333	H5TC2G43AFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
				H5TC2G43BFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC2G43AFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
				H5TC2G43BFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
		256Mx8	DDR3 1333	H5TC2G83AFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
				H5TC2G83BFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC2G83AFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
				H5TC2G83BFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
	4Gb	1Gx4 (DDP)	DDR3 1333	H5TC4G43BMR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Jun '10
			DDR3 1066	H5TC4G43BMR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Jun '10





VDD	DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1.8V	2Gb	512Mx4	DDR2 800	H5PS2G43AFR-S6C	FBGA(60ball)	8Bank, 1.8V, CL5,6-6-6	Now
			DDR2 667	H5PS2G43AFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
		256Mx8	DDR2 800	H5PS2G83AFR-S6C	FBGA(60ball)	8Bank, 1.8V, CL5,6-6-6	Now
			DDR2 667	H5PS2G83AFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
	1Gb	256Mx4	DDR2 800	HY5PS1G431CFP-S5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43EFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G431CFP-Y5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G431CFP-C4	FBGA(60ball)	8Bank, 1.8V, CL4,4-4-4	Now
				H5PS1G43EFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 400	HY5PS1G431CFP-E3	FBGA(60ball)	8Bank, 1.8V, CL3,3-3-3	Now
		128Mx8	DDR2 800	HY5PS1G831CFP-S5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83EFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83NFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G831CFP-Y5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83NFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G831CFP-C4	FBGA(60ball)	8Bank, 1.8V, CL4,4-4-4	Now
				H5PS1G43EFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43NFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 400	HY5PS1G831CFP-E3	FBGA(60ball)	8Bank, 1.8V, CL3,3-3-3	Now
		64Mx16	DDR2 800	HY5PS1G1631CFP-S5	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G63EFR-S5C	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G1631CFP-Y5	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G63EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G1631CFP-C4	FBGA(84ball)	8Bank, 1.8V, CL5,4-4-4	Now
			DDR2 400	HY5PS1G1631CFP-E3	FBGA(84ball)	8Bank, 1.8V, CL5,3-3-3	Now



# omputing Memory DDR3 SDRAM: Module - UBDIMM





	MOD	ULE	BASED				#OF		
VDD	DENSITY	ORG.	COM.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.5V	4GB	512Mx64	256Mx8	1333-999	HMT351U6AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351U6BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U6AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351U6BFR8C-G7	FBGA(82ball)	2	30mm	Now
		512Mx72	256Mx8	1333-999	HMT351U7AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U7AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8C-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	1333-999	HMT125U6BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U6BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125U6BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-S6	FBGA(78ball)	2	30mm	Now
			256Mx8 1333-999 HMT325U6BFR8C-H9 FBGA(8)	FBGA(82ball)	1	30mm	Now		
				1066-777	HMT325U6BFR8C-G7	FBGA(82ball)	1	30mm	Now
		256Mx72	128Mx8	1333-999	HMT125U7BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U7BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125U7BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-S6	FBGA(78ball)	2	30mm	Now
			256Mx8	1333-999	HMT325U7BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325U7BFR8C-G7	FBGA(82ball)	1	30mm	Now
	1GB	128Mx64	128Mx8	1333-999	HMT112U6BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U6BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112U6BFR8C-S6	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-S6	FBGA(78ball)	1	30mm	Now
		128Mx72	128Mx8	1333-999	HMT112U7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112U7BFR8C-S6	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-S6	FBGA(78ball)	1	30mm	Now
1.35V	4GB	512Mx72	256Mx8	1333-999	HMT351U7AFR8A-H9	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U7AFR8A-G7	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8A-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325U7BFR8A-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325U7BFR8A-G7	FBGA(82ball)	1	30mm	Now
	2GB	256Mx72	128Mx8	1333-999	HMT125U7BFR8A-H9	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8A-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U7BFR8A-G7	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8A-G7	FBGA(78ball)	2	30mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112U7BFR8A-H9	FBGA(78ball)	1	30mm 30mm	Now
					HMT112U7TFR8A-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U7BFR8A-G7	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8A-G7	FBGA(78ball)	1	30mm	Now







	МОГ	DULE	BASED				#OF		
VDD	DENSITY	ORG.	COM.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.5V	16GB	2Gx72	1Gx4 (DDP)	1333-999	HMT42GR7BMR4C-H9	FBGA(82ball)	4	30mm	Jun' 10
				1066-777	HMT42GR7AMR4C-G7	FBGA(82ball)	4	30mm	Now
					HMT42GR7BMR4C-G7	FBGA(82ball)	4	30mm	Jun' 10
	8GB	1Gx72	512Mx4	1333-999	HMT31GR7AFR4C-H9	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT31GR7AFR4C-G7	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4C-G7	FBGA(82ball)	2	30mm	Now
			256Mx8	1333-999	HMT31GR7BFR8C-H9	FBGA(82ball)	4	30mm	Now
				1066-777	HMT31GR7AFR8C-G7	FBGA(82ball)	4	30mm	Now
					HMT31GR7BFR8C-G7	FBGA(82ball)	4	30mm	Now
	4GB	512Mx72	256Mx8	1333-999	HMT351R7AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351R7AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8C-G7	FBGA(82ball)	2	30mm	Now
			512Mx4	1333-999	HMT351R7AFR4C-H9	FBGA(82ball)	1	30mm	Now
				1000 777	HMT351R7BFR4C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT351R7AFR4C-G7	FBGA(82ball)	1	30mm	Now
			12014-0	1222.000	HMT351R7BFR4C-G7	FBGA(82ball)	1	30mm	Now
			128Mx8	1333-999	HMT151R7TFR8C-H9	FBGA(78ball)	4	30mm	Now
				1066-777	HMT151R7BFR8C-G7	FBGA(78ball)	4	30mm	Now
			256Mx4	1333-999	HMT151R7TFR8C-G7	FBGA(78ball)	2	30mm 30mm	Now
			25014184	1333-999	HMT151R7BFR4C-H9 HMT151R7TFR4C-H9	FBGA(78ball) FBGA(78ball)	2	30mm	Now Now
				1066-777	HMT151R7TFR4C-H9	FBGA(78ball)	2	30mm	Now
				1000-777	HMT151R7TFR4C-G7	FBGA(78ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325R7BFR8C-H9	FBGA(82ball)	1	30mm	Now
	200	230111172	2501110	1066-777	HMT325R7BFR8C-G7	FBGA(82ball)	1	30mm	Now
			256Mx4	1333-999	HMT125R7TFR4C-H9	FBGA(78ball)	1	30mm	Now
			2501171	1066-777	HMT125R7TFR4C-G7	FBGA(78ball)	1	30mm	Now
			128Mx8	1333-999	HMT125R7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT125R7TFR8C-H9	FBGA(78ball)	1	30mm	Now
			128Mx8	1066-777	HMT125R7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT125R7TFR8C-G7	FBGA(78ball)	1	30mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112R7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112R7TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112R7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112R7TFR8C-G7	FBGA(78ball)	1	30mm	Now
1.35V	16GB	2Gx72	1Gx4 (DDP)	1066-777	HMT42GR7AMR4A-G7	FBGA(82ball)	4	30mm	Now
					HMT42GR7BMR4A-G7	FBGA(82ball)	4	30mm	Jul' 10
	8GB	1Gx72	512Mx4	1333-999	HMT31GR7AFR4A-H9	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT31GR7AFR4A-G7	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4A-G7	FBGA(82ball)	2	30mm	Now
			256Mx8	1066-777	HMT31GR7AFR8A-G7	FBGA(82ball)	4	30mm	Now
					HMT31GR7BFR8A-G7	FBGA(82ball)	4	30mm	Now
	4GB	512Mx72	256Mx8	1333-999	HMT351R7AFR8A-H9	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351R7AFR8A-G7	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8A-G7	FBGA(82ball)	2	30mm	Now
			128Mx8	1066-777	HMT151R7TFR8A-G7	FBGA(78ball)	4	30mm	Now
			256Mx4	1333-999	HMT151R7TFR4A-H9	FBGA(78ball)	2	30mm	Now
	200	25614 72	25614.0	1066-777	HMT151R7TFR4A-G7	FBGA(78ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325R7AFR8A-H9	FBGA(82ball)	1	30mm	Now
				1066 777	HMT325R7BFR8A-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325R7AFR8A-G7	FBGA(82ball)	1	30mm	Now
			2FCM4	1222 000	HMT325R7BFR8A-G7	FBGA(82ball)	1	30mm	Now
			256Mx4	1333-999	HMT125R7TFR4A-H9	FBGA(78ball)	1	30mm	Now
			120M-0	1066-777	HMT125R7TFR4A-G7	FBGA(78ball)	1	30mm	Now
			128Mx8	1333-999	HMT125R7TFR8A-H9	FBGA(78ball)	1	30mm 30mm	Now Now
			128Mx8	1066-777 1333-999	HMT125R7TFR8A-G7	FBGA(78ball)	1	30mm	
			12011110	1066-777	HMT112R7TFR8A-H9 HMT112R7TFR8A-G7	FBGA(78ball) FBGA(78ball)	1	30mm	Now Now
		1		1000-///	11111111111111111111111111111111111111	I DOA(700all)	1	JUIIIII	INOW



# omputing Memory



## DDR3 SDRAM: Module - VLP RDIMM

	MOD	ULF	BACED				#OF		
VDD	DENSITY	ORG.	BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#UF RANK	HEIGHT	AVAIL.
1.5V	8GB	1Gx72	1Gx4	1333-999	HMT41GV7AMR4C-H9	FBGA(82ball)	2	18.75mm	Now
			(DDP)		HMT41GV7BMR4C-H9	FBGA(82ball)	2	18.75mm	Jun '10
				1066-777	HMT41GV7AMR4C-G7	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4C-G7	FBGA(82ball)	2	18.75mm	Jun '10
			512Mx8 (DDP)	1333-999	HMT41GV7AMR8C-H9	FBGA(82ball)	4	18.75mm	Now
					HMT41GV7BMR8C-H9	FBGA(82ball)	4	18.75mm	Jun '10
				1066-777	HMT41GV7AMR8C-G7	FBGA(82ball)	4	18.75mm	Now
					HMT41GV7BMR8C-G7	FBGA(82ball)	4	18.75mm	Jun '10
	4GB	512Mx72	512Mx4 (DDP)	1333-999	HMT351V7BMR4C-H9	FBGA(78ball)	2	18.75mm	Now
					HMT351V7TMR4C-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT351V7BMR4C-G7	FBGA(78ball)	2	18.75mm	Now
					HMT351V7TMR4C-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT351V7AFR8C-H9	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8C-H9	FBGA(82ball)	2	18.75mm	Now
				1066-777	HMT351V7AFR8C-G7	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8C-G7	FBGA(82ball)	2	18.75mm	Now
	2GB	256Mx72	256Mx4	1333-999	HMT125V7BFR4C-H9	FBGA(78ball)	1	18.75mm	Now
					HMT125V7TFR4C-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT125V7BFR4C-G7	FBGA(78ball)	1	18.75mm	Now
					HMT125V7TFR4C-G7	FBGA(78ball)	1	18.75mm	Now
			128Mx8	1333-999	HMT125V7BFR8C-H9	FBGA(78ball)	2	18.75mm	Now
					HMT125V7TFR8C-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT125V7BFR8C-G7	FBGA(78ball)	2	18.75mm	Now
					HMT125V7TFR8C-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT325V7BFR8C-H9	FBGA(82ball)	1	18.75mm	Now
				1066-777	HMT325V7BFR8C-G7	FBGA(82ball)	1	18.75mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112V7BFR8C-H9	FBGA(78ball)	1	18.75mm	Now
					HMT112V7TFR8C-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT112V7BFR8C-G7	FBGA(78ball)	1	18.75mm	Now
					HMT112V7TFR8C-G7	FBGA(78ball)	1	18.75mm	Now
1.35V	8GB	1Gx72	1Gx4 (DDP)	1333-999	HMT41GV7AMR4A-H9	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4A-H9	FBGA(82ball)	2	18.75mm	Jul '10
				1066-777	HMT41GV7AMR4A-G7	FBGA(82ball)	2	18.75mm	Now
				1000 ///	HMT41GV7BMR4A-G7	FBGA(82ball)	2	18.75mm	Jul '10
			512Mx8 (DDP)	1333-999	HMT41GV7BMR8A-H9	FBGA(82ball)	4	18.75mm	Jul '10
			312110 (551)	1066-777	HMT41GV7BMR8A-G7	FBGA(82ball)	4	18.75mm	Jul '10
	4GB	512Mx72	512Mx4 (DDP)	1333-999	HMT351V7TMR4A-H9	FBGA(78ball)	2	18.75mm	Now
	105	31211072	312.1.0.1 (551.)	1066-777	HMT351V7TMR4A-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT351V7AFR8A-H9	FBGA(82ball)	2	18.75mm	Now
			2501170	1555 555	HMT351V7BFR8A-H9	FBGA(82ball)	2	18.75mm	May '10
				1066-777	HMT351V7AFR8A-G7	FBGA(82ball)	2	18.75mm	Now
				1000 ///	HMT351V7BFR8A-G7	FBGA(82ball)	2	18.75mm	May '10
	2GB	256Mx72	256Mx4	1333-999	HMT125V7TFR4A-H9	FBGA(78ball)	1	18.75mm	Now
	200		25011.71	1066-777	HMT125V7TFR4A-G7	FBGA(78ball)	1	18.75mm	Now
			128Mx8	1333-999	HMT125V7TFR8A-H9	FBGA(78ball)	2	18.75mm	Now
			1201.170	1066-777	HMT125V7TFR8A-G7	FBGA(78ball)			Now
			256Mx8	1333-999	HMT325V7BFR8A-H9	FBGA(82ball)	1	2 18.75mm 1 18.75mm	May '10
			2301-180	1066-777	HMT325V7BFR8A-G7	FBGA(82ball)	1	18.75mm	May '10
	1CP	120Mv72	128Mv0						-
	1GB	128Mx72	128Mx8	1333-999	HMT112V7TFR8A-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT112V7TFR8A-G7	FBGA(78ball)	1	18.75mm	Now





	MOD	ULE	BASED				#OF		
VDD	DENSITY	ORG.	сом.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.5V	4GB	512Mx64	256Mx8	1333999	HMT351S6AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351S6BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351S6AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351S6BFR8C-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	1333-999	HMT125S6BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125S6BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125S6BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-S6	FBGA(78ball)	2	30mm	Now
				1333-999	HMT325S6BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325S6BFR8C-G7	FBGA(82ball)	1	30mm	Now
			128Mx16	1333-999	HMT325S6BFR6C-H9	FBGA(96ball)	2	30mm	Now
				1066-777	HMT325S6BFR6C-G7	FBGA(96ball)	2	30mm	Now
	1GB	128Mx64	128Mx8	1333-999	HMT112S6TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112S6TFP8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112S6TFP8C-S6	FBGA(78ball)	1	30mm	Now
		128Mx64	64Mx16	1333-999	HMT112S6BFR6C-H9	FBGA(96ball)	2	30mm	Now
				1066-777	HMT112S6BFR6C-G7	FBGA(96ball)	2	30mm	Now
				800-666	HMT112S6BFR6C-S6	FBGA(96ball)	2	30mm	Now
			128Mx16	1333-999	HMT312S6BFR6C-H9	FBGA(96ball)	1	30mm	Now
				1066-777	HMT312S6BFR6C-G7	FBGA(96ball)	1	30mm	Now
1.35V	4GB	512Mx64	256Mx8	1333999	HMT351S6BFR8A-H9	FBGA(82ball)	2	30mm	May '10
				1066-777	HMT351S6BFR8A-G7	FBGA(82ball)	2	30mm	May '10
	2GB	256Mx64	256Mx8	1333-999	HMT325S6BFR8A-H9	FBGA(82ball)	1	30mm	May '10
				1066-777	HMT325S6BFR8A-G7	FBGA(82ball)	1	30mm	May '10





## DDR2 SDRAM: Module - UBDIMM

	MOD	ULE	BASED				#OF		
VDD	DENSITY	ORG.	COM.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.8V	4GB	512Mx64	256Mx8	DDR2 800-666	HMP351U6AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351U6AFR8C-Y5	FBGA(60ball)	2	30mm	Now
		512Mx72	256Mx8	DDR2 800-666	HMP351U7AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351U7AFR8C-Y5	FBGA(60ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	DDR2 800-555	HYMP125U64CP8-S5	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-S5	FBGA(60ball)	2	30mm	Now
				DDR2 800-666	HMP125U6NFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125U64CP8-Y5	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-Y5	FBGA(60ball)	2	30mm	Now
					HMP125U6NFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HYMP125U64CP8-C4	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-C4	FBGA(60ball)	2	30mm	Now
					HMP125U6NFR8C-C4	FBGA(60ball)	2	30mm	Now
		256Mx72	128Mx8	DDR2 800-555	HYMP125U72CP8-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125U72CP8- Y5	FBGA(60ball)	2	30mm	Now
	1GB	128Mx64	128Mx8	DDR2 800-555	HYMP112U64CP8-S5	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-S5	FBGA(60ball)	1	30mm	Now
				DDR2 800-666	HMP112U6NFR8C-S6	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP112U64CP8-Y5	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-Y5	FBGA(60ball)	1	30mm	Now
					HMP112U6NFR8C-Y5	FBGA(60ball)	1	30mm	Now
				DDR2 533-444	HYMP112U64CP8-C4	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-C4	FBGA(60ball)	1	30mm	Now
					HMP112U6NFR8C-C4	FBGA(60ball)	1 3	30mm	Now
		128Mx72	128Mx8	DDR2 800-555	HYMP112U72CP8-S5	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP112U72CP8-Y5	FBGA(60ball)	1	30mm	Now





VDD	MOD	ULE	BASED	SPEED	PART NUMBER	COMPONENT PKG.	#OF	HEIGHT	AVAIL.
VDD	DENSITY	ORG.	сом.	SPEED	PART NUMBER	COMPONENT PRG.	RANK	HEIGHT	AVAIL.
1.8V	8GB	1Gx72	512Mx4	DDR2 800-666	HMP31GP7AFR4C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP31GP7AFR4C-Y5	FBGA(60ball)	2	30mm	Now
	4GB	512Mx72	256Mx4	DDR2 800-555	HYMP151P72CP4-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP151P72CP4-Y5	FBGA(60ball)	2	30mm	Now
	2GB	256Mx72	128MX8	DDR2 800-555	HYMP125P72CP8-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125P72CP8-Y5	FBGA(60ball)	2	30mm	Now
			256MX4	DDR2 800-555	HYMP125P72CP4-S5	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP125P72CP4-Y5	FBGA(60ball)	1	30mm	Now
			128Mx8	DDR2 667-555	HYMP112P72CP8-Y5	FBGA(60ball)	1	30mm	Now





VDD	MOD	ULE	BASED	CDEED	DADT NUMBER	COMPONENT DVC	#OF	UETCUT	AVATI
VDD	DENSITY	ORG.	сом.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.8V	4GB	512Mx72	256x4(DDP)	DDR2 667-555	HYMP351P72CMP4L-Y5	FBGA(63ball)	2	18.3mm	Now
	2GB	256Mx72	256MX4	DDR2 800-555	HYMP125P72CP4L-S5	FBGA(60ball)	2	18.3mm	Now
				DDR2 667-555	HYMP125P72CP4L-Y5	FBGA(60ball)	2	18.3mm	Now
	1GB	128Mx72	128Mx8	DDR2 800-555	HYMP112P72CP8L-S5	FBGA(60ball)	1	18.3mm	Now
				DDR2 667-555	HYMP112P72CP8L-Y5	FBGA(60ball)	1	18.3mm	Now





	MOD	ULE	BASED				#OF		
VDD	DENSITY	ORG.	сом.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.8V	8GB	1Gx72	512Mx4	DDR2 800-666	HMP31GF7AFR4C-S6xx	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HMP31GF7AFR4C-Y5xx	FBGA(60ball)	2	30.35mm	Now
	4GB	512Mx72	256Mx4	DDR2 800-555	HYMP151F72CP4xx-S5	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HYMP151F72CP4xx-Y5	FBGA(60ball)	2	30.35mm	Now
			128Mx8	DDR2 800-555	HYMP151F72CP8xx-S5	FBGA(60ball)	4	30.35mm	Now
				DDR2 667-555	HYMP151F72CP8xx-Y5	FBGA(60ball)	4	30.35mm	Now
	2GB	256Mx72	128MX8	DDR2 800-555	HYMP125F72CP8xx-S5	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HYMP125F72CP8xx-Y5	FBGA(60ball)	2	30.35mm	Now
	1GB	128Mx72	128Mx8	DDR2 800-555	HYMP112F72CP8xx-S5	FBGA(60ball)	1	30.35mm	Now
			128Mx8	DDR2 667-555	HYMP112F72CP8xx-Y5	FBGA(60ball)	1	30.35mm	Now
1.55V	8GB	1Gx72	512Mx4	DDR2 667-555	HMP31GL7AFR4C-Y5xx	FBGA(60ball)	2	30.35mm	Now
	4GB	512Mx72	256Mx4	DDR2 667-555	HYMP151L72CP4xx-Y5	FBGA(60ball)	2	30.35mm	Now
	2GB	256Mx72	128MX8	DDR2 667-555	HYMP125L72CP8xx-Y5	FBGA(60ball)	2	30.35mm	Now
	1GB	128Mx72	128Mx8	DDR2 667-555	HYMP112L72CP8xx-Y5	FBGA(60ball)	1	30.35mm	Now

FBD P/N xx : (AMB vender)(Revison)

AMB vender N: intel, D: IDT, E NEC





VDD	мор	ULE	BASED	CDEED	DART NUMBER	COMPONENT DICC	#OF	UETCUT	AVATI
VDD	DENSITY	ORG.	сом.	SPEED	PART NUMBER	COMPONENT PKG.	RANK	HEIGHT	AVAIL.
1.8V	4GB	512Mx64	256Mx8	DDR2 800-666	HMP351S6AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351S6AFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HMP351S6AFR8C-C4	FBGA(60ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	DDR2 800-555	HYMP125S64CP8-S5	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-S5	FBGA(60ball)	2	30mm	Now
				DDR2 800-666	HMP125S6NFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125S64CP8-Y5	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-Y5	FBGA(60ball)	2	30mm	Now
					HMP125S6NFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HYMP125S64CP8-C4	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-C4	FBGA(60ball)	2	30mm	Now
					HMP125S6NFR8C-C4	FBGA(60ball)	2	30mm	Now
	1GB	128Mx64	64Mx16	DDR2 800-555	HYMP112S64CP6-S5	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-S5	FBGA(84ball)	2	30mm	Now
				DDR2 667-555	HYMP112S64CP6-Y5	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-Y5	FBGA(84ball)	2	30mm	Now
				DDR2 533-444	HYMP112S64CP6-C4	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-C4	FBGA(84ball)	2	30mm	Now





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
256Mb	32M x 8	166MHz	HY57V56820F(L)TP-6(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2582GTR-60C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
		133MHz	HY57V56820F(L)TP-H(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2582GTR-75C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
	16M x 16	200MHz	HY57V561620F(L)TP-5(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2562GTR-50C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
		166MHz	HY57V561620F(L)TP-6(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2562GTR-60C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			HY5V56FFP-6	FBGA(54ball)	4Bank,3.3V	EOL
			H57V2562GFR-60C(I/L)	FBGA(54ball)	4Bank,3.3V	Now
		143MHz	HY57V561620F(L)TP-7(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2562GTR-70C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			HY5V56FFP-7	FBGA(54ball)	4Bank,3.3V	EOL
			H57V2562GFR-70C(I/L)	FBGA(54ball)	4Bank,3.3V	Now
		133MHz	HY57V561620F(L)TP-H(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V2562GTR-75C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			HY5V56FFP-H	FBGA(54ball)	4Bank,3.3V	EOL
			H57V2562GFR-75C(I/L)	FBGA(54ball)	4Bank,3.3V	Now
	8M x 32	166MHz	HY5V52AFP-6	FBGA(90ball)	4Bank,3.3V	EOL
			H57V2622GMR-60C	FBGA(90ball)	4Bank,3.3V	Now
		133MHz	HY5V52AFP-H	FBGA(90ball)	4Bank,3.3V	EOL
			H57V2622GMR-75C	FBGA(90ball)	4Bank,3.3V	Now
128Mb	8M x 16	200MHz	HY5V26E(L/S)FP-5	FBGA(54ball)	4Bank,3.3V	EOL
			HY57V281620F(L)TP-5(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			H57V1262GTR-50C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			H57V1262GFR-50C(I/L)	FBGA(54ball)	4Bank,3.3V	Now
		166MHz	HY57V281620F(L)TP-6(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			HY5V26F(L/S)FP-6	FBGA(54ball)	4Bank,3.3V	EOL
			H57V1262GTR-60C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			H57V1262GFR-60C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
		143MHz	HY57V281620F(L)TP-7(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			HY5V26F(L/S)FP-7	FBGA(54ball)	4Bank,3.3V	EOL
			H57V1262GTR-70C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			H57V1262GFR-70C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
		133MHz	HY57V281620F(L)TP-H(I)	TSOPII(54pin)	4Bank,3.3V	EOL
			HY5V26F(L/S)FP-H	FBGA(54ball)	4Bank,3.3V	EOL
			H57V1262GTR-75C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
			H57V1262GFR-75C(I/L)	TSOPII(54pin)	4Bank,3.3V	Now
64Mb	4M x 16	200MHz	HY57V641620F(L/S)TP-5(I)	TSOP-II(54pin)	4 Bank, 3.3V	EOL
		166MHz	HY57V641620F(L/S)TP-6(I)	TSOP-II(54pin)	4 Bank, 3.3V	EOL
			HY5V66FFP-6	FBGA(54ball)	4 Bank, 3.3V	EOL
			HY5V66FF6P-6	FBGA(60ball)	4 Bank, 3.3V	EOL





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
512Mb	64MX8	DDR 500	HY5DU12822D(L)TP-4(I)	TSOPII(66pin)	4Bank,2.6V, 3-3-3	EOL
			HY5DU12822D(L)FP-4(I)	FBGA(60ball)	4Bank,2.6V, 3-3-3	EOL
		DDR 400	HY5DU12822D(L)TP-D43(I)	TSOPII(66pin)	4Bank,2.6V, 3-3-3	EOL
			HY5DU12822D(L)FP-D43(I)	FBGA(60ball)	4Bank,2.6V, 3-3-3	EOL
			H5DU5182ETR-E3C(I/L)	TSOPII(66pin)	4Bank,2.6V, 3-3-3	Now
			H5DU5182EFR-E3C(I/L)	FBGA(60ball)	4Bank,2.6V, 3-3-3	Now
		DDR 333	HY5DU12822D(L)TP-J(I)	TSOPII(66pin)	4Bank,2.5V, CL2.5	EOL
			HY5DU12822D(L)FP-J(I)	FBGA(60ball)	4Bank,2.5V, CL2.5	EOL
			H5DU5182ETR-J3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			H5DU5182EFR-J3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
		DDR 266	HY5DU12822D(L)TP-H(I)	TSOPII(66pin)	4Bank,2.5V, CL2.5	EOL
		22.1.200	HY5DU12822D(L)FP-H(I)	FBGA(60ball)	4Bank,2.5V, CL2.5	EOL
			H5DU5182ETR-K3C(I/L)		4Bank, 2.5V, CL2.5	Now
			( , ,	TSOPII(66pin)	<del>                                     </del>	
	32MX16	DDR 400	H5DU5182EFR-K3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
	SZMATO	DDK 400	HY5DU121622D(L)TP-D43(I)	TSOPII(66pin)	4Bank,2.6V, 3-3-3	EOL
			HY5DU121622D(L)FP-D43(I)	FBGA(60ball)	4Bank,2.6V, 3-3-3	EOL
			H5DU5162ETR-E3C(I/L)	TSOPII(66pin)	4Bank,2.6V, 3-3-3	Now
		DDD 222	H5DU5162EFR-E3C(I/L)	FBGA(60ball)	4Bank,2.6V, 3-3-3	Now
		DDR 333	HY5DU121622D(L)TP-J(I)	TSOPII(66pin)	4Bank,2.5V, CL2.5	EOL
			HY5DU121622D(L)FP-J(I)	FBGA(60ball)	4Bank,2.5V, CL2.5	EOL
			H5DU5162ETR-J3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			H5DU5162EFR-J3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
		DDR 266	HY5DU121622D(L)TP-H(I)	TSOPII(66pin)	4Bank,2.5V, CL2.5	EOL
			HY5DU121622D(L)FP-H(I)	FBGA(60ball)	4Bank,2.5V, CL2.5	EOL
			H5DU5162ETR-K3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			H5DU5162EFR-K3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
256Mb	32Mx8	DDR 500	HY5DU56822F(L)TP-4(I)	FBGA(60ball)	4Bank, 2.6V, 3-3-3	EOL
		DDR 400	HY5DU56822F(L)TP-D43(I)	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	EOL
			H5DU2582GTR-E3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, 3-3-3	Now
		DDR 333	HY5DU56822F(L)TP-J(I)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	EOL
			H5DU2582GTR-J3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
		DDR 266	HY5DU56822F(L)TP-H(I)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	EOL
			H5DU2582GTR-K3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
	16Mx16	DDR 500	HY5DU561622F(L)TP-4(I)	TSOPII(66pin)	4Bank, 2.6V, 4-5-5	EOL
	10.17.10	22.000	HY5DU561622F(L)FP-4(I)	FBGA(60ball)	4Bank, 2.6V, 4-5-5	EOL
				` ′	4Bank, 2.5V, 4-4-4	
		DDR 400	H5DU2562GTR-FAC(I/L)	TSOPII(66pin)	<del>                                     </del>	Now EOL
		DDIK 100	HY5DU561622F(L)TP-D43(I)	TSOPII(66pin)	4Bank, 2.5V, 3-3-3	EOL
			HY5DU561622F(L)FP-D43(I)	FBGA(60ball)	4Bank, 2.5V, 3-3-3	
			H5DU2562GTR-E3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, 3-3-3	Now
		DDD 333	H5DU2562GFR-E3C(I/L)	FBGA(60ball)	4Bank, 2.5V, 3-3-3	Now
		DDR 333	HY5DU561623F(L)TP-J(I)	TSOPII(67pin)	4Bank, 2.5V, CL2.5	EOL
			HY5DU561622F(L)FP-J(I)	FBGA(60ball)	4Bank, 2.5V, CL2.5	EOL
			H5DU2562GTR-J3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			H5DU2562GFR-J3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
		DDR 266	HY5DU561622F(L)TP-H(I)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	EOL
			HY5DU561622F(L)FP-H(I)	FBGA(60ball)	4Bank, 2.5V, CL2.5	EOL
			H5DU2562GTR-K3C(I/L)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
			H5DU2562GFR-K3C(I/L)	FBGA(60ball)	4Bank, 2.5V, CL2.5	Now
128Mb	8Mx16	DDR 500	HY5DU281622FTP-4(I)	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	EOL
			H5DU1262GTR-FBC	TSOPII(66pin)	4Bank, 2.5V, 4-3-3	Now
		DDR 400	HY5DU281622FTP-D43(I)	TSOPII(66pin)	4Bank, 2.6V, 3-3-3	EOL
			HY5DU281622FTP-5(I)	TSOPII(66pin)	4Bank, 2.6V, 3-4-4	EOL
			H5DU1262GTR-E3C	TSOPII(66pin)	4Bank, 2.5V, 3-3-3	Now
		DDR 333	HY5DU281622FTP-J(I)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	EOL
			H5DU1262GTR-J3C	TSOPII(66pin)	4Bank, 2.5V, CL2.5	Now
		DDR 266	HY5DU281622FTP-H(I)	TSOPII(66pin)	4Bank, 2.5V, CL2.5	EOL
64Mb	4M x 16	DDR 500	H5DU6462CTR-FAC	TSOPII(66pin)	4Bank, 2.5V, 4-4-4	Now
		DDR 400	H5DU6462CTR-E3C	TSOPII(66pin)	4Bank,2.5V, 3-3-3	Now
		DDR 333				
		DDR 333	H5DU6462CTR-J3C	TSOPII(66pin)	4Bank,2.5V, 2.5-3-3	Now
	i	ממ2 אטט	H5DU6462CTR-K3C	TSOPII(66pin)	4Bank,2.5V, 2.5-3-3	Now





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	128Mx16	DDR2 667	H5PS2G63EMR-Y5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Customer
		DDR2 800	H5PS2G63EMR-S6	FBGA(84ball)	8Bank, 1.8V, 6-6-6	Sample Customer
1Gb	128Mx8	22.12.000	HY5PS1G831CFP-S5	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Sample Now
		DDR2 800	H5PS1G83EFR-S5	, ,		
		DDR2 667		FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
			HY5PS1G831CFP-Y5	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 533	H5PS1G83EFR-Y5	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
		DDITE 333	HY5PS1G831CFP-C4	FBGA(60ball)	8Bank, 1.8V, 4-4-4	Now
		DDR2 400	H5PS1G43EFR-C4	FBGA(60ball)	8Bank, 1.8V, 5-5-5	Now
	CAM::1C		HY5PS1G831CFP-E3	FBGA(60ball)	8Bank, 1.8V, 3-3-3	Now
	64Mx16	DDR2 1066	H5PS1G63EFR-G7	FBGA(84ball)	8Bank, 1.8V, 7-7-7	Now
		DDR2 800	HY5PS1G1631CFP-S5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
			H5PS1G63EFR-S5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 667	HY5PS1G1631CFP-Y5	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
			H5PS1G63EFR-Y5C	FBGA(84ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 533	HY5PS1G1631CFP-C4	FBGA(84ball)	8Bank, 1.8V, 4-4-4	Now
		DDR2 400	HY5PS1G1631CFP-E3	FBGA(84ball)	8Bank, 1.8V, 3-3-3	Now
	32Mx32	DDR2 667	H5PS1GC2FMR-Y5	FBGA(128ball)	8Bank, 1.8V, 5-5-5	Now
		DDR2 800	H5PS1GC2FMR-S6	FBGA(128ball)	8Bank, 1.8V, 6-6-6	Now
512Mb	64Mx8	DDR2 800	HY5PS12821CFP-S6	FBGA(60ball)	4Bank, 1.8V, 6-6-6	EOL
			HY5PS12821CFP-S5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	EOL
			H5PS5182FFP-S5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 667	HY5PS12821CFP-Y5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	EOL
			H5PS5182FFP-Y5	FBGA(60ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 533	HY5PS12821CFP-C4	FBGA(60ball)	4Bank, 1.8V, 4-4-4	EOL
			HY5PS12821FFP-C4	FBGA(60ball)	4Bank, 1.8V, 4-4-4	Now
		DDR2 400	HY5PS12821CFP-E3	FBGA(60ball)	4Bank, 1.8V, 3-3-3	EOL
			HY5PS12821FFP-E3	FBGA(60ball)	4Bank, 1.8V, 3-3-3	Now
	32Mx16	DDR2 1066	H5PS5162FFR-G7	FBGA(84ball)	4Bank, 1.8V, 7-7-7	Now
		DDR2 800	HY5PS121621CFP-S6	FBGA(84ball)	4Bank, 1.8V, 6-6-6	EOL
			HY5PS121621CFP-S5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	EOL
			H5PS5162FFR-S6	FBGA(84ball)	4Bank, 1.8V, 6-6-6	Now
			H5PS5162FFR-S5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 667	HY5PS121621CFP-Y5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	EOL
			H5PS5162FFR-Y5	FBGA(84ball)	4Bank, 1.8V, 5-5-5	Now
		DDR2 533	HY5PS121621CFP-C4	FBGA(84ball)	4Bank, 1.8V, 4-4-4	EOL
			H5PS5162FFR-C4	FBGA(84ball)	4Bank, 1.8V, 4-4-4	Now
		DDR2 400	HY5PS121621CFP-E3	FBGA(84ball)	4Bank, 1.8V, 3-3-3	EOL
			H5PS5162FFR-E3	FBGA(84ball)	4Bank, 1.8V, 3-3-3	Now
256Mb	16Mx16	DDR2 800		FBGA(84ball)		EOL
			HY5PS561621BFP-S6(I)	, ,	4Bank, 1.8V, 6-6-6	
		DDR2 667	HY5PS561621BFP-Y5(I)	FBGA(84ball)	4Bank, 1.8V, 5-5-5	EOL
		DDR2 533	HY5PS561621BFP-C4	FBGA(84ball)	4Bank, 1.8V, 4-4-4	EOL
		DDR2 400	HY5PS561621BFP-E3	FBGA(84ball)	4Bank, 1.8V, 3-3-3	EOL





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1Gb	128Mx8	DDR3 1333	H5TQ1G83BFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
		DDR3 1066	H5TQ1G83BFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
	64Mx16	DDR3 1333	H5TQ1G63BFR-H9C	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
		DDR3 1066	H5TQ1G63BFR-G7C	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now

<sup>\*</sup> All DDR3 DRAM is Available For IT-Part





#### **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	Now
		400MHz (2.5ns)	H5PS1G63EFR-25C	FBGA(84ball)	8Bank, 1.8V/1.8V	Now
			HY5PS1G1631CFR-25C	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
			H5PS5162FFR-20L	FBGA(84ball)	4Bank, 1.8V/1.8V	Now
		400MHz (2.5ns)	H5PS5162FFR-25C	FBGA(84ball)	4Bank, 1.8V/1.8V	Now

### **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	900MHz (1.1ns)	H5TS1G63BFR-11C	FBGA(96ball)	8Bank, 1.8V/1.8V	Now
			H5TQ1G63BFR-11C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		800MHz (1.2ns)	H5TS1G63BFR-12C	FBGA(96ball)	8Bank, 1.8V/1.8V	Now
			H5TQ1G63BFR-12C	FBGA(96ball)	8Bank, 1.5V/1.5V	Now
		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	4 2000411 (0 77 )	H5RS5223CFR-N3C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		1,300MHz(0.77ns)	H5RS5223DFR-N3C	FBGA(136ball)	8Bank, 2.05V/2.05V	Apr.
			H5RS5223CFR-N2C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		1,200MHz(0.8ns)	H5RS5223DFR-N2C	FBGA(136ball)	8Bank, 2.05V/2.05V	Apr.
			H5RS5223CFR-N0C	FBGA(136ball)	8Bank, 2.05V/2.05V	Now
		1,000MHz(1.0ns)	H5RS5223DFR-N0C	FBGA(136ball)	8Bank, 2.05V/2.05V	Apr.
		0001111 (4.4.)	H5RS5223CFR-11C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		900MHz(1.1ns)	H5RS5223DFR-11C	FBGA(136ball)	8Bank, 1.8V/1.8V	Apr.
			H5RS5223CFR-14C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		700MHz(1.4ns)	H5RS5223CFR-14L	FBGA(136ball)	8Bank, 1.5V/1.5V	Now
			H5RS5223DFR-14C	FBGA(136ball)	8Bank, 1.8V/1.8V	Apr.
		FOOMIL (2.2.	H5RS5223CFR-20C	FBGA(136ball)	8Bank, 1.8V/1.8V	Now
		500MHz(2.0ns)	H5RS5223DFR-20C	FBGA(136ball)	8Bank, 1.8V/1.8V	Apr.
		550MHz(1.8ns)	H5RS5223CFR-18C	FBGA(136ball)	8Bank, 1.5V/1.5V	Now





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
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-T2C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.50	H5GQ1H24AFR-T1C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.5Gbps	H5GQ1H24MJ(F)R-T1C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.00	H5GQ1H24AFR-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		4.0Gbps	H5GQ1H24MJ(F)R-T0C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		3.6Gbps	H5GQ1H24MJ(F)R-N8C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now
		3.2Gbps	H5GQ1H24MJ(F)R-N6C	FBGA(170ball)	16Bank, 1.5V/1.5V	Now





DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
2Gb	64M x 16	133MHz (7.5ns)	H55S1G62MFP-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G62MFP-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	133MHz (7.5ns)	H55S1G22MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G22MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	133MHz (7.5ns)	H55S1G32MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	(reduced page size)	166MHz (6.0ns)	H55S1G32MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
1Gb	64M x 16	133MHz (7.5ns)	H55S1G62MFP-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G62MFP-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H55S1G62AFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G62AFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	133MHz (7.5ns)	H55S1G22MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G22MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H55S1G22AFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G22AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	133MHz (7.5ns)	H55S1G32MFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	(reduced page size)	166MHz (6.0ns)	H55S1G32MFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H55S1G32AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H55S1G32AFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
512M	32M x 16	133MHz (7.5ns)	HY5S7B6ALFP-HE	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S5162DFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S5162EFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5S7B6ALFP-6E	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S5162DFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S5162EFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	16M x 32	133MHz (7.5ns)	HY5S7B2ALFP-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S5122DFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S5122EFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5S7B2ALFP-6E	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S5122DFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S5122EFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
256Mb	16M x 16	133MHz (7.5ns)	HY5S5B6HLFP-HE	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S2562JFR-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5S5B6HLFP-6E	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
			H55S2562JFR-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	Now
	8M x 32	133MHz (7.5ns)	HY5S5B2CLFP-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S2622JFR-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5S5B2CLFP-6E	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
			H55S2622JFR-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
128Mb	8M x 16	133MHz (7.5ns)	H55S1262EFP-75M	FBGA(54ball)	4Bank, 1.8V/1.8V	EOL
		166MHz (6.0ns)	H55S1262EFP-60M	FBGA(54ball)	4Bank, 1.8V/1.8V	EOL
	4M x 32	133MHz (7.5ns)	H55S1222EFP-75M	FBGA(90ball)	4Bank, 1.8V/1.8V	EOL
		166MHz (6.0ns)	H55S1222EFP-60M	FBGA(90ball)	4Bank, 1.8V/1.8V	EOL





ENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL
2Gb	64M x 16	200MHz (5.0ns)	H5MS2G62MFR-EBM	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS2G62MFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	200MHz (5.0ns)	H5MS2G22MFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS2G22MFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	200MHz (5.0ns)	H5MS2G32MFR-EBM	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	(reduced page size)	166MHz (6.0ns)	H5MS2G32MFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
1Gb	64M x 16	200MHz (5.0ns)	H5MS1G62MFP-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS1G62MFP-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS1G62MFP-K3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		200MHz (5.0ns)	H5MS1G62AFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS1G62AFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
-	32M x 32	200MHz (5.0ns)	H5MS1G22MFP-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M X 32	166MHz (6.0ns)	H5MS1G22MFP-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS1G22MFP-K3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		200MHz (5.0ns)	H5MS1G22AFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
-	22M 22	166MHz (6.0ns)	H5MS1G22AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	32M x 32	200MHz (5.0ns)	H5MS1G32MFP-E3M	FBGA (90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS1G32MFP-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	(reduced page size)	133MHz (7.5ns)	H5MS1G32MFP-K3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		200MHz (5.0ns)	H5MS1G32AFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS1G32AFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
512Mb	32M x 16	200MHz (5.0ns)	H5MS5162DFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		200MHz (5.0ns)	H5MS5162EFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS5162DFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS5162EFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5MS7B6BLFP-6E	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS5162DFR-K3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	HY5MS7B6BLFP-HE	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	16M x 32	200MHz (5.0ns)	H5MS5122DFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		200MHz (5.0ns)	H5MS5122EFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS5122DFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS5122EFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	HY5MS7B2BLFP-6E	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS5122DFR-K3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	HY5MS7B2BLFP-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
256Mb	16M x 16	200MHz (5.0ns)	H5MS2562JFR-E3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		166MHz (6.0ns)	H5MS2562JFR-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		, ,	HY5MS5B6BLFP-6E	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS2562JFR-K3M	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
		, ,	HY5MS5B6BLFP-HE	FBGA(60ball)	4Bank, 1.8V/1.8V	Now
	8M x 32	200MHz (5.0ns)	H5MS2622JFR-E3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
	0.1.7.02	166MHz (6.0ns)	H5MS2622JFR-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		1001 11 12 (0.0115)	HY5MS5B2ALFP-6E	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		133MHz (7.5ns)	H5MS2622JFR-K3M	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
		15511112 (7.3115)		-	-	
120Mh	QM v 1 <i>C</i>	166MH7 (6 000)	HY5MS5B2ALFP-HE	FBGA(90ball)	4Bank, 1.8V/1.8V	Now
128Mb	8M x 16	166MHz (6.0ns)	H5MS1262EFP-J3M	FBGA(60ball)	4Bank, 1.8V/1.8V	EOL
		133MHz (7.5ns)	H5MS1262EFP-K3M	FBGA(60ball)	4Bank, 1.8V/1.8V	EOL
-	4M x 32	166MHz (6.0ns)	H5MS1222EFP-J3M	FBGA(90ball)	4Bank, 1.8V/1.8V	EOL



### **NAND Flash SLC COMPONENT**

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Avail.	Remark
HY27US08281A	90nm	128Mb	16KB	Mono	3.3v/X8	TSOP/USOP	Now	
HY27US08561A	90nm	256Mb	16KB	Mono	3.3v/X8	TSOP/USOP/FBGA	Now	
HY27US08121B	70nm	512Mb	16KB	Mono	3.3v/X8	TSOP/USOP/FBGA	Now	
H27U518S2C	57nm	512Mb	16KB	Mono	3.3v/X8	TSOP	Now	
HY27US081G1M	70nm	1Gb	16KB	Mono	3.3v/X8	USOP	Now	
HY27US081G1A	57nm	1Gb	16KB	Mono	3.3v/X8	TSOP	Now	
HY27UF081G2A	70nm	1Gb	128KB	Mono	3.3v/X8	TSOP/USOP/FBGA	Now	
HY27US081G2A	70nm	1Gb	128KB	Mono	1.8v/X8	FBGA	Now	
H27U1G8F2B	48nm	1Gb	128KB	Mono	3.3v/X8	TSOP,FBGA	Now	
H27U1G8F2B	48nm	1Gb	128KB	Mono	1.8v/X8	FBGA	Now	
HY27UF082G2A	70nm	2Gb	128KB	Mono	3.3v/X8	TSOP/LGA	Now	
HY27UF082G2B	57nm	2Gb	128KB	Mono	3.3v/X8	TSOP,FBGA	Now	
HY27UF084G2B	57nm	4Gb	128KB	Mono	3.3v/X8	TSOP	Now	
H27U4G8F2D	41nm	4Gb	128KB	Mono	3.3v/X8	TSOP	Now	
HY27UG088G5(D)B	57nm	8Gb	128KB	DDP	3.3v/X8	TSOP/LGA	Now	2CE/Dual CH.
HY27UH08AG5B	57nm	16Gb	128KB	QDP	3.3v/X8	TSOP	Now	2CE

#### **NAND Flash MLC COMPONENT**

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Avail.	Remark
H27U8G8T2B	48nm	8Gb	512KB	Mono	3.3v/X8	TSOP	Now	
H27UAG8T2M	48nm	16Gb	512KB(4KB Page)	Mono	3.3v/X8	TSOP/VLGA	Now	
H27UAG8T2A	41nm	16Gb	512KB(4KB Page)	Mono	3.3v/X8	TSOP	Now	
H27UBG8U5A	41nm	32Gb	512KB(4KB Page)	DDP	3.3v/X8	TSOP	Now	
H27UBG8T2M	41nm	32Gb	512KB(4KB Page)	Mono	3.3v/X8	VLGA	Now	
H27UBG8T2A	32nm	32Gb	2MB(8KB Page)	SDP	3.3v/x8	TSOP / VLGA	Now	
H27UCG8VFA	41nm	64Gb	512KB(4KB Page)	QDP	3.3v/X8	TSOP	Now	
H27UCG8UDM	41nm	64Gb	512KB(4KB Page)	DDP	3.3v/X8	VLGA	Now	Dual CH.
H27UCG8U5(D)A	32nm	64Gb	2MB(8KB Page)	DDP	3.3v/x8	TSOP / VLGA	Now	Dual CH. LGA
H27UDG8VEM	41nm	128Gb	512KB(4KB Page)	QDP	3.3v/X8	VLGA	Now	4CE,Dual CH.
H27UDG8V5(E)A	32nm	128Gb	2MB(8KB Page)	QDP	3.3v/x8	TSOP / VLGA	Now	4CE,Dual CH.
H27UEG8YEA	32nm	256Gb	2MB(8KB Page)	ODP	3.3v/x8	VLGA	Apr.	4CE,Dual CH.

### **NAND Flash TLC COMPONENT**

Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Avail.	Remark
H2EUAG8M2MYR-C	41nm	16Gb	768KB (192 Block)	SDP	3.3V/x8	VLGA	Now	





Product	<b>D</b>	Base Component			V/0***	Version	
Product	Density	Tech.	Density	Stack	Vcc/Org	version	Aval.
H26M11001BAR	1GB	48nm	8Gb	1	3.3V/x8/x4	MMC4.3	Now
H26M21001CAR	2GB	41nm	16Gb	1	3.3V/x8/x4	MMC4.3	Now
H26M32001CAR	4GB	41nm	16Gb	2	3.3V/x8/x4	MMC4.3	Now
H26M32001DAR	4GB	32nm	32Gb	1	3.3V/x8/x4	MMC4.4	Apr.
H26M42001DAR	8GB	41nm	16Gb	2	3.3V/x8/x4	MMC4.3	Now
H26M42001EFR	8GB	32nm	32Gb	2	3.3V/x8/x4	MMC4.4	Apr.
H26M54001AJR	16GB	41nm	32Gb	4	3.3V/x8/x4	MMC4.3	Now
H26M54001BKR	16GB	32nm	32Gb	4	3.3V/x8/x4	MMC4.4	Apr.
H26M68001MJR	32GB	41nm	32Gb	8	3.3V/x8/x4	MMC4.3	Now
H26M68001ANR	32GB	32nm	32Gb	8	3.3V/x8/x4	MMC4.4	Apr.





Product	Domoitus	Base Component			Vcc/Bus	Version	Aval.
Product	Density	Tech.	Density	Stack	vcc/Bus	version	Avai.
H24U1GTM3ARH	1GB	48nm	8Gb	1	3.3v/x4	Class-4	Now
H24U2GTM1BRH	2GB	41nm	16Gb	1	3.3v/x4	Class-4	Now
H24U4GUM1ARH	4GB	41nm	16Gb	2	3.3v/x4	Class-6	Now
H24U8GVM1MRH	8GB	41nm	16Gb	4	3.3v/x4	Class-6	Now
H24UAGYM1MRH	16GB	41nm	16Gb	4	3.3v/x4	Class-6	Now
H24U2GMM1CRH	2GB	41nm	16Gb (TLC)	1	3.3v/x4	-	Apr.





Product	Tech	Density	Block Size	Stack	Vcc/Org	Package	Avail.	Remark
H2DQDG8VD1MYR	32nm	128Gb	256KB	4	3.3v/X8	VLGA	Apr.	VccQ=1.8V
H2DUDG8VD1MYR	32nm	128Gb	256KB	4	3.3v/X8	VLGA	Apr.	VccQ=3.3V
H2DQEG8VD1MYR	32nm	256Gb	256KB	8	3.3v/X8	VLGA	Apr.	VccQ=1.8V
H2DUEG8VD1MYR	32nm	256Gb	256KB	8	3.3v/X8	VLGA	Apr.	VccQ=3.3V





	V	1.3M			
Part Number	YACBAC1S	YACBA21S	YACC6A1S		
Optical Format	1/10-inch	1/10-inch	1/6"		
Pixel Size	2.25um x 2.25um	2.25um x 2.25um	1.75um x 1.75um		
Active Array Form	640H x 480V	640H x 480V	1280H x 1024H		
Imaging Area	1.44mmx1.08mm	1.44mmx1.08mm	2.30mm x 1.85mm		
Color Filter Arra	RGB Bayer color filters	RGB Bayer color filters	RGB Bayer color filters		
Frame Rate	30-fps @ full resolution	30-fps @ full resolution	15fps @ full resolution		
Shutter	Electronic Rolling Shutter	Electronic Rolling Shutter	Electronic Rolling Shutter		
Features	Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Windowing, Sub-Sampling, Image Scaling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edge Enhancement, Brightness, Color saturation, Gamma Correction	Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Windowing, Sub-Sampling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edge Enhancement, Brightness, Color Saturation, Gamma Correction, Color Correction, Lens shading Correction	Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Windowing, Sub-Sampling, Image Scaling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edge Enhancement, Brightness, Color saturation, Gamma Correction		
Sensitivity	1280mV/lux-sec		700mV/lux-sec		
SNR	39dB	TBD	38dB		
Dynamic Range	60dB		60dB		
ADC	On-chip, 10-bit	On-chip, 10-bit	On-chip, 10-bit		
Output Format	YUV4:2:2 RGB5:6:5 RGB4:4:4	YUV4:2:2 RGB5:6:5 RGB4:4:4	YUV4:2:2 RGB5:6:5 ITU656-like		
Digital I/	1.7V-3.0V (1.8V/2.8V)	1.7V-3.0V (1.8V/2.8V)	1.7V-3.0V (1.8V/2.8V)		
Supply Voltage Digital Co	1.7V-1.9V (1.8V)	2.7V-3.0V (2.8V)	1.7V-1.9V (1.8V)		
Analog & P	<b>xel</b> 2.7V-3.0V (2.8V)	with Single Regulator	2.7V-3.0V (2.8V)		
Power Consumpt	on 100mW (typ.)	TBD	TBD		
Operating Temp	-20℃ to 60℃	-20℃ to 60℃	-20℃ to 60℃		





		2М	3M			
Part Number		YACD5B1S	YACE4A1S	YACE4B1S		
Op	tical Format	1/5 inch	1/4 inch	1/4 inch		
Pixel Size		1.75um x 1.75um	1.75um x 1.75um	1.75um x 1.75um		
Active Array Format		1600H x 1200V	2048H x 1536V	2048H x 1536V		
Imaging Area		2.80mmx2.10mm	3.58mmx2.69mm	3.58mmx2.69mm		
Color Filter Array		RGB Bayer color filters	RGB Bayer color filters	RGB Bayer color filters		
F	rame Rate	15-fps @ full resolution	15-fps @ full resolution	15-fps @ full resolution		
	Shutter	Electronic Rolling Shutter	Electronic Rolling Shutter	Electronic Rolling Shutter		
Features		Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Edge Data for Auto Focus, Motion Data for Anti-Shaking, Windowing, Sub-Sampling, Image Scaling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edeg Enhancement	Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Auto Focus Data, Anti-Shaking Function, Windowing, Sub-Sampling, Image Scaling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edge Enhancement	Automatic Exposure, Automatic White Balance, Automatic Black Level Calibration, On-Chip Dead Pixel Correction, Auto Focus Data, Anti-Shaking Function, Windowing, Sub-Sampling, Image Scaling, X-Y Image Flip, Anti-flicker, Noise Reduction, Edge Enhancement		
:	Sensitivity	700mV/lux-sec	TBD	TBD		
	SNR	38dB	TBD	TBD		
Dy	namic Range	60dB	TBD	TBD		
	ADC	On-chip, 10-bit	On-chip, 10-bit	On-chip, 10-bit		
Output Format		YUV4:2:2 RGB5:6:5 ITU656-like	JPEG Compressed Data YUV4:2:2 RGB5:6:5 RGB6:6:6 ITU656-like	YUV4:2:2 RGB5:6:5 RGB6:6:6 ITU656-like		
	Digital I/O	1.7V-3.0V (1.8V/2.8V)	1.7V - 3.0V	1.7V - 3.0V		
Supply Voltage	Digital Core	1.7V-1.9V (1.8V)	1.7V - 1.9V	1.7V - 1.9V		
	Analog & Pixel	2.7V-3.0V (2.8V)	2.7V - 3.0V	2.7V - 3.0V		
Powe	er Consumption	288mw(typ.)	TBD	TBD		
Оре	erating Temp.	-20℃ to 60℃	-20℃ to 60℃	-20℃ to 60℃		
	Status	Mass Production	Sampling	Sampling		