

DRAM Selection Guide

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1. DDR3 SDRAM

Density	Organization (word x bit)	Internal Banks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark
1Gbit	256M x 4	8	DDR3-1333G(8-8-8)	EDJ1104BASE	DG-E	1.5+/-0.075	8K/64ms	A	78-FBGA	Ask	
			DDR3-1333H(9-9-9)		DJ-E						
	DDR3-1066E(6-6-6)	AC-E									
	DDR3-1066F(7-7-7)	AE-E									
	DDR3-1066G(8-8-8)	AG-E									
	DDR3-800D(5-5-5)	8A-E									
	DDR3-800E(6-6-6)	8C-E									
	128M x 8	8	DDR3-1600J(10-10-10)	EDJ1108BABG	GL-E						
DDR3-1600K(11-11-11)			GN-E								
DDR3-1333G(8-8-8)			DG-E								
DDR3-1333H(9-9-9)			DJ-E								
DDR3-1066E(6-6-6)			AC-E								
DDR3-1066F(7-7-7)			AE-E								
128M x 8	8	DDR3-1600J(10-10-10)	EDJ1108BASE	GL-E							
		DDR3-1600K(11-11-11)		GN-E							
		DDR3-1333G(8-8-8)		DG-E							
		DDR3-1333H(9-9-9)		DJ-E							
		DDR3-1066E(6-6-6)		AC-E							
		DDR3-1066F(7-7-7)		AE-E							
64M x 16	8	DDR3-1333G(8-8-8)	EDJ1116BABG	DG-E							
		DDR3-1333H(9-9-9)		DJ-E							
		DDR3-1066E(6-6-6)		AC-E							
	8	DDR3-1066F(7-7-7)	EDJ1116BASE	AE-E							
		DDR3-1066G(8-8-8)		AG-E							
		DDR3-800D(5-5-5)		8A-E							
512Mbit	64M x 8	8	DDR3-1333G(8-8-8)	EDJ5308BBBG	DG-F	1.5+/-0.075V	8K/64ms	B	78-FBGA	UD	
			DDR3-1333H(9-9-9)	DJ-F							
512Mbit	32M x 16	8	DDR3-1333G(8-8-8)	EDJ5316BBBG	DG-F	1.5+/-0.075V	8K/64ms	B	96-FBGA	UD	
			DDR3-1333H(9-9-9)	DJ-F							
			DDR3-1066F(7-7-7)		AE-F						

UD: Under Development
 ES: Engineering Sample
 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

2. DDR3 SDRAM Module 240-pin Registered DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
8GB	1024M x 72	4	PC3-8500(7-7-7) PC3-6400(6-6-6)	EBJ82HF4B1RA	AE-E 8C-E	1.5+/-0.075	8K/64ms	30.0/1.18	2Gbit(x4) (1G-A DDP)	36	Ask	
4GB	512M x 72	2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ41HE4BAFA	DG-E DJ-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075	8K/64ms	30.0/1.18	1Gbit(x4)	36	Ask	
		2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ41RE4BAFA	DG-E DJ-E AE-E AG-E 8A-E 8C-E				1Gbit(x4)			
		4	PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ42RE8BAFA	DJ-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)			
2GB	256M x 72	1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ20RE4BAFA	DG-E DJ-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075	8K/64ms	30.0/1.18	1Gbit(x4)	18	Ask	
		2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21RE8BAFA	DG-E DJ-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)			
1GB	128M x 72	1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10RE8BAFA	DG-E DJ-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075V	8K/64ms	30.0/1.18	1Gbit(x8)	9	Ask	

UD: Under Development
 ES: Engineering Sample
 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

3. DDR3 SDRAM Module 240-pin Unbuffered DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
2GB	256M x 64	2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21UE8BAFA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075	8K/64ms	30.0/1.18	1Gbit(x8)	16	Ask	
		2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21UE8BAW0	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	16	Ask	
	256M x 72	2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21EE8BAFA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	18	Ask	
1GB	128M x 64	1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10UE8BAFA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075V	8K/64ms	30.0/1.18	1Gbit(x8)	8	Ask	
		1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10UE8BAW0	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	8	Ask	
	128M x 72	1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10EE8BAFA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	9	Ask	
		1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10EE8BAW0	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	9	Ask	
		1	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ10EE8BAWA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)	9	Ask	

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 ES: Engineering Sample
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 Ask: Contact Elpida sales to check the production status

4. DDR3 SDRAM Module 204-pin SO-DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
2GB	256M x 64	2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21UE8BASA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075V	8K/64ms	30.0/1.18	1Gbit(x8)	16	Ask	
		2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ21UE8BAU0	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x8)			
1GB	128M x 64	2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ11UE6BASA	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E	1.5+/-0.075V	8K/64ms	30.0/1.18	1Gbit(x16)	8	Ask	
		2	PC3-10600(8-8-8) PC3-10600(9-9-9) PC3-8500(6-6-6) PC3-8500(7-7-7) PC3-8500(8-8-8) PC3-6400(5-5-5) PC3-6400(6-6-6)	EBJ11UE6BAU0	DG-E DJ-E AC-E AE-E AG-E 8A-E 8C-E				1Gbit(x16)			

UD: Under Development
 ES: Engineering Sample
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 Ask: Contact Elpida sales to check the production status

5. DDR2 SDRAM

Density	Organization (word x bit)	Internal Banks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark																					
2Gbit	512M x 4	8	DDR2-800(6-6-6)	EDE2104ABSE	8G-E	1.8+/-0.1V	8K/64ms	B	68-FBGA	UD																						
			DDR2-667(5-5-5)		6E-E					MP																						
			DDR2-533(4-4-4)		5C-E					ES																						
	256M x 8	8	DDR2-800(6-6-6)	EDE2108ABSE	8G-E					1.8+/-0.1V		8K/64ms	B	68-FBGA	MP																	
			DDR2-667(5-5-5)		6E-E										ES																	
			DDR2-533(4-4-4)		5C-E																											
	128M x 16	8	DDR2-800(6-6-6)	EDE2116ABSE	8G-E										1.8+/-0.1V		8K/64ms	B	92-FBGA	ES												
			DDR2-667(5-5-5)		6E-E															MP												
			DDR2-533(4-4-4)		5C-E															Ask												
1Gbit	256M x 4	8	DDR2-667(5-5-5)	EDE1104ABSE	6E-E	1.8+/-0.1V	8K/64ms	B	68-FBGA		Ask																					
			DDR2-533(4-4-4)		5C-E																											
			DDR2-800(5-5-5)	EDE1104ACSE	8E-E						C											60-FBGA	ES									
	128M x 8	8	DDR2-667(5-5-5)		6E-E					1.8+/-0.1V	8K/64ms	B	68-FBGA	MP																		
			DDR2-533(4-4-4)		5C-E									UD																		
			DDR2-800(5-5-5)	EDE1108ABSE	8E-E									C								60-FBGA	MP									
	64M x 16	8	DDR2-667(5-5-5)	EDE1108ACBG	6E-E									1.8+/-0.1V	8K/64ms		C	60-FBGA	MP													
			DDR2-533(4-4-4)		5C-E														UD													
			DDR2-800(5-5-5)	EDE1108ACSE	8E-E														MP													
	64M x 16	8	DDR2-667(5-5-5)	EDE1116ABSE	6E-E														1.8+/-0.1V			8K/64ms	B	92-FBGA	Ask							
			DDR2-533(4-4-4)		5C-E																											
			DDR2-800(5-5-5)	EDE1116ACBG	8E-E																				C		84-FBGA	MP				
		64M x 16	8	DDR2-667(5-5-5)																					6E-E		1.8+/-0.1V	8K/64ms	C	84-FBGA	UD	
				DDR2-533(4-4-4)																					5C-E						MP	
				DDR2-800(5-5-5)	EDE1116ACSE																				8E-E						UD	
512Mbit	64M x 8	4	DDR2-800(5-5-5)	EDE5108AJBG	8E-E	1.8+/-0.1V	8K/64ms	J	60-FBGA											MP												
			DDR2-667(5-5-5)		6E-E															MP												
	32M x 16	4	DDR2-800(5-5-5)	EDE5108AJSE	8E-E															1.8+/-0.1V				8K/64ms	J				84-FBGA	MP		
			DDR2-667(5-5-5)		6E-E					MP																						
	32M x 16	4	DDR2-800(5-5-5)	EDE5116AJBG	8E-E					1.8+/-0.1V	8K/64ms	J	84-FBGA			MP																
			DDR2-667(5-5-5)		6E-E											MP																
16M x 32	4	DDR2-800(5-5-5)	EDE5116AJSE	8E-E	1.8+/-0.1V			8K/64ms	A			128-FBGA	MP																			
		DDR2-667(5-5-5)		6E-E																												
256Mbit	32M x 8	4	DDR2-800(5-5-5)	EDE5132AABG					8E-F			1.8+/-0.1V	8K/64ms		E	60-FBGA	UD															
			DDR2-667(5-5-5)						6E-E								MP															
	16M x 16	4	DDR2-800(5-5-5)	EDE2508AEBG					8E-E								1.8+/-0.1V		8K/64ms		E	60-FBGA				MP						
			DDR2-667(5-5-5)						6E-E																	MP						
16M x 16	4	DDR2-800(5-5-5)	EDE2516AEBG	8E-E					1.8+/-0.1V						8K/64ms	E					84-FBGA	MP										
		DDR2-667(5-5-5)		6E-E																												

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 ES: Engineering Sample
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6. DDR2 SDRAM Module 240-pin Registered DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
8GB	1G x 72	2	PC2-5300(5-5-5)	EBE81AF4ABHA	6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	2Gbit(x4)	36	ES	Parity
		4	PC2-5300(5-5-5)	EBE82AF4A1RA	6E-E				2Gbit(x4)(1G-C DDP)	36	ES	Parity
			PC2-4200(4-4-4)		5C-E						UD	
4GB	512M x 72	2	PC2-5300(5-5-5)	EBE41AE4ABHA	6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x4)	36	Ask	Parity
		2	PC2-5300(5-5-5)	EBE41AE4ACFA	6E-E				1Gbit(x4)	36	MP	Parity
		2	PC2-5300(5-5-5)	EBE41RE4ABHA	6E-E				1Gbit(x4)	36	Ask	
			PC2-4200(4-4-4)		5C-E							
			PC2-3200(3-3-3)		4A-E							
	2	PC2-4200(4-4-4)	EBE41RE4ACFA	5C-E	4A-E	1Gbit(x4)	36	MP				
2GB	256M x 72	1	PC2-5300(5-5-5)	EBE20AE4ABFA	6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x4)	18	Ask	Parity
		1	PC2-5300(5-5-5)	EBE20AE4ACFA	6E-E				1Gbit(x4)	18	MP	Parity
		1	PC2-5300(5-5-5)	EBE20RE4ABFA	6E-E				1Gbit(x4)	18	Ask	
			PC2-4200(4-4-4)		5C-E							
			PC2-3200(3-3-3)		4A-E							
	1	PC2-4200(4-4-4)	EBE20RE4ACFA	5C-E	4A-E	1Gbit(x4)	18	MP				
1GB	128M x 72	1	PC2-5300(5-5-5)	EBE10AE8ACFA	6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x8)	9	MP	Parity
		1	PC2-4200(4-4-4)	EBE10RE8ACFA	5C-E				1Gbit(x8)	9	MP	
			PC2-3200(3-3-3)		4A-E							

UD: Under Development

ES: Engineering Sample

MP: Mass Production

Ask: Contact Elpida sales to check the production status

7. DDR2 SDRAM Module 240-pin Unbuffered DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
4GB	512M x 64	2	PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE41UF8ABFA	8G-E 6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	2Gbit(x8)	16	ES	
	512M x 72	2	PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE41EF8ABFA	8G-E 6E-E				2Gbit(x8)	18	ES	
2GB	256M x 64	2	PC2-6400(5-5-5) PC2-5300(5-5-5)	EBE21UE8ABFA	8E-E 6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x8)	16	Ask	
									5C-E 4A-E			
		2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21UE8ACFA	8E-E 8G-E 6E-E				1Gbit(x8)	16	Ask	
									5C-E 4A-E			
	2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21UE8ACWA	8E-E 8G-E 6E-E	1Gbit(x8)				16	Ask	UD	
					MP							
	256M x 72	2	PC2-6400(5-5-5) PC2-5300(5-5-5)	EBE21EE8ABFA	8E-E 6E-E				1Gbit(x8)	18	Ask	
		2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21EE8ACFA	8E-E 8G-E 6E-E				1Gbit(x8)	18	Ask	
									5C-E 4A-E			
2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21EE8ACWA	8E-E 8G-E 6E-E	1Gbit(x8)	18	Ask	UD					
				MP								
1GB	128M x 64	1	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE10UE8ACFA	8E-E 8G-E 6E-E	1Gbit(x8)	8	Ask				
										5C-E 4A-E		
		1	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE10UE8ACWA	8E-E 8G-E 6E-E	1Gbit(x8)	8	Ask	UD			
						MP						
	2	PC2-6400(5-5-5) PC2-6400(6-6-6)	EBE11UD8AHFA	8E-E 8G-E	512Mbit(x8)	16	Ask					
					5C-E 4A-E							
	2	PC2-6400(5-5-5) PC2-6400(6-6-6)	EBE11UD8AHWA	8E-E 8G-E	512Mbit(x8)	16	Ask					
					5C-E 4A-E							
128M x 72	1	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE10EE8ACFA	8E-E 8G-E 6E-E	1Gbit(x8)	9	Ask					
									5C-E 4A-E			
1	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE10EE8ACWA	8E-E 8G-E 6E-E	1Gbit(x8)	9	Ask	UD					
				MP								

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 ES: Engineering Sample
 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

8. DDR2 SDRAM Module 200-pin SO-DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
4GB	512M x 64	2	PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE41UF8ABDA	8G-E 6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	2Gbit(x8)	16	ES	
2GB	256M x 64	2	PC2-5300(5-5-5) PC2-4200(4-4-4)	EBE21UE8ABDA	6E-E 5C-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x8)	16	Ask	
		2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21UE8ACSA	8E-E 8G-E 6E-E				1Gbit(x8)	16	Ask	
		2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE21UE8ACUA	8E-E 8G-E 6E-E				1Gbit(x8)	16	UD MP	
1GB	128M x 64	2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE11UE6ACSA	8E-E 8G-E 6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	1Gbit(x16)	8	Ask	
		2	PC2-6400(5-5-5) PC2-6400(6-6-6) PC2-5300(5-5-5)	EBE11UE6ACUA	8E-E 8G-E 6E-E				1Gbit(x16)	8	UD MP	

UD: Under Development
 ES: Engineering Sample
 MP: Mass Production
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9. DDR2 SDRAM Module FB-DIMM

Density	Organization (word x bit)	Module Ranks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Height (mm / inch)	Component Device	No. of Components	Product Status	Remark
8GB	1G x 72	2	PC2-5300F	EBE81FF4ABHT	6E-E	1.8+/-0.1V	8K/64ms	30.0/1.18	2Gbit(x4)	36	MP	
		4	PC2-5300F	EBE82FF4A1RQ	6E-E				2Gbit(x4) (1G-C DDP)	36	ES	
4GB	512M x 72	2	PC2-5300F PC2-4200F	EBE41FE4ABHD	6E-E 5C-E	1.8+/-0.1V	8K/64ms	30.35/1.195	1Gbit(x4)	36	Ask	
		2	PC2-5300F	EBE41FE4ACFT	6E-E				1Gbit(x4)	36	MP	
2GB	256M x 72	2	PC2-5300F	EBE21FE8ACFT	6E-E	1.8+/-0.1V	8K/64ms	30.35/1.195	1Gbit(x8)	18	MP	
1GB	128M x 72	1	PC2-5300F	EBE10FE8ACFT	6E-E	1.8+/-0.1V	8K/64ms	30.35/1.195	1Gbit(x8)	9	MP	

UD: Under Development
 ES: Engineering Sample
 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

10. DDR SDRAM

Density	Organization (word x bit)	Internal Banks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark
1Gbit	32M x 32	4	DDR333(3-4-4) DDR266(3-4-3)	EDD10321ABH	6CTS-F 7ETS-F	1.8+0.15/-0.1V	8K/64ms	A	90-FBGA	MP	WTR(TA=-25 to 85°C)
512Mbit	64M x 8	4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD5108AFTA	5B-E 5C-E 6B-E 7A-E 7B-E	2.6+/-0.1V 2.5+/-0.2V	8K/64ms	F	66-TSOP II	MP	
										Ask	
										MP	
		Ask									
		4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD5108AGTA	5B-E 5C-E 6B-E 7A-E 7B-E	G	MP				
							Ask				
	MP										
	32M x 16	4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD5116AFTA	5B-E 5C-E 6B-E 7A-E 7B-E	2.6+/-0.1V 2.5+/-0.2V	8K/64ms	F	90-FBGA	MP	
										Ask	
										MP	
		4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD5116AGTA	5B-E 5C-E 6B-E 7A-E 7B-E	G	MP				
							Ask				
MP											
16M x 32	4	DDR333(3-4-4) DDR266(3-4-3)	EDD51321BBH	6CTT-E 7ETT-E	1.8+0.15/-0.1V	8K/64ms	E	66-TSOP II	MP		
									Ask		
	4	DDR333(3-4-4) DDR266(3-4-3)	EDD51321CBH	6CTT-E 7ETT-E	B	90-FBGA	C	MP			
								Ask			
256Mbit	32M x 8	4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD2508AETA	5B-E 5C-E 6B-E 7A-E 7B-E	2.6+/-0.1V 2.5+/-0.2V	8K/64ms	E	66-TSOP II	MP	
										Ask	
		4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD2516AETA	5B-E 5C-E 6B-E 7A-E 7B-E	2.6+/-0.1V 2.5+/-0.2V	8K/64ms	E	66-TSOP II	MP	
										Ask	
	16M x 16	4	DDR400B(3-3-3) DDR400C(3-4-4) DDR333B(2.5-3-3) DDR266A(2-3-3) DDR266B(2.5-3-3)	EDD1216AJTA	5B-E 5C-E 6B-E 7A-E 7B-E	2.5+/-0.2V	4K/64ms	J	66-TSOP II	MP	
										Ask	
		4	DDR400C(3-4-4) DDR500B(3-3-3) DDR500C(3-4-4) DDR400B(3-3-3)	EDD1232ABBH	5C-E 4B-F 4C-F 5B-F	2.5+/-0.125V	4K/32ms	B	144-FBGA	MP	
										UD	
4	DDR400C(3-4-4) DDR500B(3-3-3) DDR500C(3-4-4) DDR400B(3-3-3)	EDD1232ACBH	5C-E 4B-F 4C-F 5B-F	2.5+/-0.125V	4K/32ms	C	144-FBGA	UD			
								MP			

UD: Under Development
 ES: Engineering Sample
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 Ask: Contact Elpida sales to check the production status

11. SDRAM

Density	Organization (word x bit)	Internal Banks	Grade (CL-tRCD-tRP)	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark
256Mbit	16M x 16	4	166MHz(3-3-3) 133MHz(3-3-3)	EDS2516AFTA	6B-E 75-E	3.3+/-0.3V	8K/64ms	F	54-TSOP II	MP	
128Mbit	8M x 16	4	166MHz(3-3-3) 133MHz(3-3-3)	EDS1216AHTA	6B-E 75-E	3.3+/-0.3V	4K/64ms	H	54-TSOP II	MP	
										MP	
	4M x 32	4	166MHz(3-3-3) 133MHz(3-3-3) 133MHz(3-3-3)	EDS1232AHTA	6B-E 75-E 75TI-E	3.3+/-0.3V	4K/64ms	H	86-TSOP II	MP	WTR(TA=-40 to 85°C)
										ES	
4	166MHz(3-3-3) 133MHz(3-3-3)	EDS1232JHTA	6B-E 75-E	2.5+/-0.2V	4K/64ms	H	86-TSOP II	ES			

UD: Under Development
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12. DDR Mobile RAM™ - Barechip

Density	Organization (word x bit)	Internal Banks	Grade	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark	
512Mbit	32M x 16	4	133MHz	ECK540ACBC3	-	1.8+/-0.1V	8K/64ms	B	Single/Dual1	Ask	2KB page	
		4	133MHz	ECK510ACBC3	-					Ask	1KB Page	
		4	133MHz	ECK540ACBC3	-					Ask	2KB page	
256Mbit	16M x 16	4	100MHz	ECK2516CBCN	-	1.8+/-0.15V	8K/64ms	B	Dual1	Ask		
		4	133MHz	ECK2516CDCN	-				D	Single	Ask	
		4	133MHz	ECK2516CFCN	-				F	Dual1	Ask	

UD: Under Development
 ES: Engineering Sample
 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

13. Mobile RAM - Barechip

Density	Organization (word x bit)	Internal Banks	Grade	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark							
512Mbit	32M x 16	4	166MHz	ECL540ACBC3	-	1.8+/-0.1V	8K/64ms	B	Single/Dual1	Ask	2KB page, Dual/Single Edge Pad, x32/x16							
			133MHz		-						z2KB page, Dual Edge Pad							
			166MHz		-						2KB page, Dual/Single Edge Pad, x32/x16							
			133MHz		-						z2KB page, Dual Edge Pad							
		4	133MHz	ECL5432CAC1	-	A	Dual1	Ask	2KB page, Dual Edge Pad									
256Mbit	16M x 16	4	100MHz	ECL2516CBCN	-	1.8+/-0.15V	8K/64ms	B	Dual1	Ask								
		4	133MHz	ECL2516CFCN	-	1.8+/-0.1V					F	MP						
	8M x 32	4	133MHz	ECL2532CCCN	-	1.8+/-0.1V					8K/64ms	C	Single	Ask				
		4	133MHz	ECL2532CDC1	-										D	Dual1	Ask	1KB Page, Dual Edge Pad
		4	100MHz	ECL120ACECN	-										1.8+/-0.1V	4K/64ms	E	Dual1
4	100MHz	ECL1216CCCN	-	1.8+/-0.15V	C	Ask												
64Mbit	4M x 16	4	100MHz	ECL6416BACN	-	2.5+/-0.2V	4K/64ms	A	Single	Ask	VDDQ=2.5V							
		4	100MHz	ECL6416CACN	-	1.8+/-0.15V					Dual1	Ask						
		4	105MHz	ECL6432CACN	-	1.8+/-0.1V							Ask					

UD: Under Development
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 MP: Mass Production
 Ask: Contact Elpida sales to check the production status

14. XDR™ DRAM

Density	Organization (word x bit)	Internal Banks	Grade	Part Number	Class	Supply Voltage	Refresh Cycles	Rev.	Package	Product Status	Remark
512Mbit	32M x 16	8	4.8E	EDX5116ADSE	5E-E	1.875V+/-0.075V	16ms	D	104-FBGA	ES	
			4.0D		4D-E	1.8V+/-0.09V				MP	
			3.2C		3C-E						

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