

## M5A78L LE MEM

### DDR3 1067 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Crucial	CT12864BA1067.8FF	1GB	SS	Micron	9GF22D9KPT	7	-	•	•	•
Crucial	CT12872BA1067.9FF	1GB	SS	Micron	9HF22D9KPT(ECC)	7	-	•	•	•
Crucial	CT25664BA1067.16FF	2GB	DS	Micron	9HF22D9KPT	7	-	•	•	•
Crucial	CT25672BA1067.18FF	2GB	DS	Micron	9GF22D9KPT(ECC)	7	-	•	•	•
ELPIDA	EBJ10UE8EDF0-AE-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	1.35V(low voltage)	•	•	•
ELPIDA	EBJ11UD8BAFA-AE-E	1GB	DS	Elpida	J5308BASE-AC-E	-	-	•	•	•
ELPIDA	EBJ21UE8EDF0-AE-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	1.35V(low voltage)	•	•	•
KINGSTON	KVR1066D3E7/1G	1GB	SS	ELPIDA	J1108BDBG-DJ-F(ECC)	7	1.5V	•	•	•
KINGSTON	KVR1066D3N7/1G	1GB	SS	KTC	D1288JPNDPLD9U	7	1.5V	•	•	•
KINGSTON	KVR1066D3N7/2G	2GB	DS	ELPIDA	J1108BDSE-DJ-F	7	1.5V	•	•	•
KINGSTON	KVR1066D3N7/4G	4GB	DS	Hynix	H5TQ2G83AFR	7	1.5V	•	•	•
Micron	MT8JTF12864AZ-1G1F1	1GB	SS	Micron	9GF22D9KPT	7	-	•	•	•
Micron	MT9JSF12872AZ-1G1F1	1GB	SS	Micron	9HF22D9KPT(ECC)	7	-	•	•	•
Micron	MT16JTF25664AZ-1G1F1	2GB	DS	Micron	9HF22D9KPT	7	-	•	•	•
Micron	MT18JSF25672AZ-1G1F1	2GB	DS	Micron	9GF22D9KPT(ECC)	7	-	•	•	•
OCZ	OCZ3G1066LV4GK	4GB(2 x 2GB)	DS	Micron	9BF27D9KPV	7-7-7-20	1.65V	•	•	•
SAMSUNG	M378B2873EH1-CF8	1GB	SS	Samsung	SEC 901 HCF8 K4B1G0846E	-	-	•	•	•
SAMSUNG	M378B5273BH1-CF8	4GB	DS	SAMSUNG	846 K4B2G0846B-HCF8	-	-	•	•	•

### DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
A-Data	AD31333001GOU	1GB	SS	A-Data	AD30908C8D-151C E0906	-	-	•	•	•
A-Data	AD31333G001GOU	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65-1.85V	•	•	•
A-Data	AD31333002GOU	2GB	DS	A-Data	AD30908C8D-151C E0903	-	-	•	•	•
Apacer	78.A1GC6.9L1	2GB	DS	APACER	AM5D5808DEWSBG	-	-	•	•	•
Apacer	78.A1GC6.9L1	2GB	DS	Apacer	AM5D5808FEQSBG	9	-	•	•	•
CORSAIR	CM3X1024-1333C9DHX	1GB	SS	-	-	9-9-9-24	1.60V	•	•	•
CORSAIR	CM3X1024-1333C9	1GB	SS	-	-	9-9-9-24	1.60V	•	•	•
CORSAIR	TR3X3G1333C9 G	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.50V	•	•	•
CORSAIR	TR3X3G1333C9 G	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.50V	•	•	•
CORSAIR	TR3X3G1333C9	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.50V	•	•	•

<b>CORSAIR</b>	CM3X1024-1333C9DHX	1GB	DS	Corsair	-	-	-	•	•	
<b>CORSAIR</b>	CM3X2048-1333C9DHX	2GB	DS	-	-	-	-	•	•	
<b>CORSAIR</b>	TW3X4G1333C9 G	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.50V	•	•	•
<b>CORSAIR</b>	CMX8GX3M4A1333C9	8GB(4 x 2GB)	DS	-	-	9-9-9-24	1.50V	•	•	•
<b>Crucial</b>	CT12864BA1339.8FF	1GB	SS	Micron	9FF22D9KPT	9	-	•	•	•
<b>Crucial</b>	CT12872BA1339.9FF	1GB	SS	Micron	91F22D9KPT(ECC)	9	-	•	•	•
<b>Crucial</b>	CT25664BA1339.16FF	2GB	DS	Micron	9KF27D9KPT	9	-	•	•	•
<b>Crucial</b>	CT25672BA1339.18FF	2GB	DS	Micron	91F22D9KPT(ECC)	9	-	•	•	•
<b>Crucial</b>	BL25664BN1337.16FF (XMP)	6GB(3 x 2GB)	DS	-	-	7-7-7-24	1.65V	•	•	•
<b>ELPIDA</b>	EBJ10UE8EDF0-DJ-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	1.35V(low voltage)	•	•	•
<b>ELPIDA</b>	EBJ21UE8EDF0-DJ-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	1.35V(low voltage)	•	•	•
<b>G.SKILL</b>	F3-10600CL8D- 2GBHK(XMP)	1GB	SS	G.SKILL	-	-	-	•	•	•
<b>G.SKILL</b>	F3-10666CL7T- 3GBPK(XMP)	3GB(3 x 1GB)	SS	-	-	7-7-7-18	1.5~1.6V	•	•	•
<b>G.SKILL</b>	F3-10666CL9T-3GBNQ	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.5~1.6V	•	•	•
<b>G.SKILL</b>	F3-10600CL8D- 4GBHK(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-21	1.5-1.6V	•	•	•
<b>G.SKILL</b>	F3-10666CL8D- 4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8- 24	XMP 1.35V	•	•	•
<b>GEIL</b>	GV32GB1333C9DC	2GB(2 x 1GB)	DS	-	-	9-9-9-24	1.5V	•	•	•
<b>GEIL</b>	GV34GB1333C7DC	2GB	DS	-	-	7-7-7-24	1.5V	•	•	•
<b>GEIL</b>	GG34GB1333C9DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3V(low voltage)	•	•	•
<b>GEIL</b>	GV34GB1333C9DC	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5V	•	•	•
<b>Hynix</b>	HMT125U6TFR8A-H9	2GB	DS	HYNIX	H5TC1G83TFRH9A	-	1.35V(low voltage)	•	•	•
<b>KINGMAX</b>	FLFD45F-B8KL9	1GB	SS	KINGMAX	KKB8FNWBFGNX-27A	-	-	•	•	•
<b>KINGMAX</b>	FLFE85F-B8KL9	2GB	DS	KINGMAX	KKB8FNWBFGNX-26A	-	-	•	•	•
<b>Kingston</b>	KVR1333D3N9/1G	1GB	SS	ELPIDA	J1108BDBG-DJ-F	9	1.5V	•	•	•
<b>KINGSTON</b>	KVR1333D3N9/2G(矮版)	2GB	DS	ELPIDA	J1108BDBG-DJ-F	9	1.5V	•	•	•
<b>Kingston</b>	KVR1333D3N9/2G	2GB	DS	KTC	D1288JPNDPLD9U	9	1.5V	•	•	•
<b>Kingston</b>	KVR1333D3N9/2G	2GB	DS	ELPIDA	J1108BDSE-DJ-F	9	1.5V	•	•	•
<b>Kingston</b>	KHX1333C7D3K2/4GX(XM P)	4GB(2 x 2GB)	DS	-	-	7	1.65V	•	•	•
<b>Kingston</b>	KHX1333C9D3UK2/4GX(X MP)	4GB(2 x 2GB)	DS	-	-	9	XMP 1.25V	•	•	•
<b>KINGSTON</b>	KVR1333D3N9/4G(矮版)	4GB	DS	HYNIX	H5TQ2G83AFRH9C	9	1.5V	•	•	•

<b>KINGSTON</b>	KVR1333D3N9/4G	4GB	DS	Hynix	H5TQ2G83AFR	-	-	•	•	•
<b>MICRON</b>	MT4JTF12864AZ-1G4D1	1GB	SS	MICRON	D9LGQ	-	-	•	•	•
<b>Micron</b>	MT8JTF12864AZ-1G4F1	1GB	SS	Micron	9FF22D9KPT	9	-	•	•	•
<b>Micron</b>	MT9JSF12872AZ-1G4F1	1GB	SS	Micron	91F22D9KPT(ECC)	9	-	•	•	•
<b>MICRON</b>	MT8JTF25664AZ-1G4D1	2GB	SS	MICRON	D9LGK	-	-	•	•	•
<b>Micron</b>	MT16JTF25664AZ-1G4F1	2GB	DS	Micron	9KF27D9KPT	9	-	•	•	•
<b>Micron</b>	MT18JSF25672AZ-1G4F1	2GB	DS	Micron	91F22D9KPT(ECC)	9	-	•	•	•
<b>MICRON</b>	MT16JTF51264AZ-1G4D1	4GB	DS	MICRON	D9LGK	-	-	•	•	•
<b>OCZ</b>	OCZ3G1333LV3GK	3GB(3 x 1GB)	DS	-	-	9-9-9-20	1.65V	•	•	
<b>OCZ</b>	OCZ3F13334GK	4GB(2 x 2GB)	DS	-	-	9-9-9-20	1.7V	•	•	•
<b>OCZ</b>	OCZ3G13334GK	4GB(2 x 2GB)	DS	-	-	9-9-9-20	1.7V	•	•	
<b>OCZ</b>	OCZ3G1333LV4GK	4GB(2 x 2GB)	DS	-	-	9-9-9-20	1.65V	•	•	
<b>OCZ</b>	OCZ3P1333LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.65V	•	•	•
<b>OCZ</b>	OCZ3RPX1333EB4GK	4GB(2 x 2GB)	DS	-	-	6-5-5-20	1.85V	•	•	•
<b>OCZ</b>	OCZ3X13334GK(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.75V	•	•	•
<b>OCZ</b>	OCZ3G1333LV6GK	6GB(3 x 2GB)	DS	-	-	9-9-9-20	1.65V	•	•	•
<b>OCZ</b>	OCZ3P1333LV6GK	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.65V	•	•	•
<b>OCZ</b>	OCZ3X1333LV6GK(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-20	1.60V	•	•	•
<b>OCZ</b>	OCZ3G1333LV8GK	8GB ( 2x 4GB	DS	-	-	9-9-9-20	1.65V	•	•	•
<b>PSC</b>	AL7F8G73D-DG1	1GB	SS	PSC	A3P1GF3DGF928M9B05	8-8-8-24	1.5V	•	•	•
<b>PSC</b>	AL8F8G73D-DG1	2GB	DS	PSC	A3P1GF3DGF928M9B05	8-8-8-24	1.5V	•	•	•
<b>SAMSUNG</b>	M378B2873DZ1-CH9	1GB	SS	SAMSUNG	SEC 846 HCH9 K4B1G08460	-	-	•	•	•
<b>SAMSUNG</b>	M378B2873EH1-CH9	1GB	SS	Samsung	SEC 913 HCH9 K4B1G0846E	-	-	•	•	•
<b>SAMSUNG</b>	M378B2873FHS-CH9	1GB	SS	SAMSUNG	K4B1G0846F	-	-	•	•	•
<b>SAMSUNG</b>	M391B2873DZ1-CH9	1GB	SS	Samsung	K4B1G0846D-HCH9(ECC)	-	-	•	•	•
<b>SAMSUNG</b>	M378B5673DZ1-CH9	2GB	DS	Samsung	K4B1G0846D-HCH9	-	-	•	•	•
<b>SAMSUNG</b>	M378B5673EH1-CH9	2GB	DS	Samsung	SEC 913 HCH9 K4B1G0846E	-	-	•	•	
<b>SAMSUNG</b>	M378B5673FH0-CH9	2GB	DS	SAMSUNG	K4B1G0846F	-	-	•	•	•
<b>SAMSUNG</b>	M391B5673DZ1-CH9	2GB	DS	Samsung	K4B1G0846D-HCH9(ECC)	-	-	•	•	•
<b>SAMSUNG</b>	M378B5273CH0-CH9	4GB	DS	SAMSUNG	K4B2G0846C	-	-	•	•	•
<b>Super</b>	W1333UA1GH	1GB	SS	HYNIX	H5TQ1G83TFR	9	-	•	•	•
<b>Super</b>	W1333X2GB8(XMP)	1GB	SS	-	-	-	-	•	•	•
<b>Super</b>	W1333UB2GS	2GB	DS	Samsung	K4B1G0846F	9	-	•	•	•
<b>Super</b>	W1333UB4GS	4GB	DS	Samsung	K4B2G0846C	-	-	•	•	•
<b>Super</b>	W1333UX6GM	6GB(3x 2GB)	DS	Micron	0BF27D9KPT	9-9-9-24	1.5V	•	•	•
<b>Transcend</b>	TS256MLK64V3U	2GB	DS	Micron	9GF27D9KPT	-	-	•	•	•

<b>Transcend</b>	TS256MLK64V3U	2GB	DS	Elpida	J1108BDBG-DJ-F	9	-	•	•	•
<b>Century</b>	PC3-10600 DDR3-1333 9-9-9	1GB	SS	Micron	8FD22D9JNM	-	-	•	•	
<b>Elixir</b>	M2F2G64CB88B7N-CG	2GB	DS	Elixir	N2CB2G808N-CG	-	-	•	•	•
<b>Elixir</b>	M2Y2G64CB8HC9N-CG	2GB	DS	Elixir	-	-	-	•	•	•
<b>Elixir</b>	M2F4G64CB8HB5N-CG	4GB	DS	Elixir	N2CB2G808N-CG	-	-	•	•	•
<b>Kingtiger</b>	2GB DIMM PC3-10666	2GB	DS	Samsung	SEC 904 HCH9 K4B1G0846D	-	-	•	•	•
<b>Kingtiger</b>	KTG2G1333PG3	2GB	DS	-	-	-	-	•	•	•
<b>PATRIOT</b>	PSD31G13332H	1GB	DS	-	-	9	-	•	•	•
<b>PATRIOT</b>	PSD31G13332	1GB	DS	Patriot	PM64M8D38U-15	-	-	•	•	•
<b>SILICON POWER</b>	SP001GBLTU133S01	1GB	SS	NANYA	NT5CB128M8AN-CG	9	-	•	•	•
<b>SILICON POWER</b>	SP002GBLTU133S02	2GB	DS	elixir	N2CB1680AN-C6	9	-	•	•	•
<b>TAKEMS</b>	TMS1GB364D081-107EY	1GB	SS	-	-	7-7-7-20	1.5V	•	•	•
<b>TAKEMS</b>	TMS1GB364D081-138EY	1GB	SS	-	-	8-8-8-24	1.5V	•	•	•
<b>TAKEMS</b>	TMS2GB364D081-107EY	2GB	DS	-	-	7-7-7-20	1.5V	•	•	•
<b>TAKEMS</b>	TMS2GB364D081-138EY	2GB	DS	-	-	8-8-8-24	1.5V	•	•	•
<b>TAKEMS</b>	TMS2GB364D082-138EW	2GB	DS	-	-	8-8-8-24	1.5V	•	•	•
<b>UMAX</b>	E41302GP0-73BDB	2GB	DS	UMAX	U2S24D30TP-13	-	-	•	•	•
<b>V-Color</b>	TD2G16C9-Z8	2GB	DS	HYNIX	H5TQ1G83AFP	-	-	•	•	•

### DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>A-Data</b>	AD31600E001GM(O)U3K	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65V-1.85V	•	•	•
<b>CORSAIR</b>	TR3X3G1600C8D(XMP)	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65V	•	•	•
<b>CORSAIR</b>	CMP4GX3M2A1600C8(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•	•
<b>CORSAIR</b>	CMT4GX3M2A1600C6(XMP)	4GB(2 x 2GB)	DS	-	-	6-6-6-20	1.65V	•	•	•
<b>CORSAIR</b>	CMX4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•	
<b>CORSAIR</b>	CMX4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•	•
<b>CORSAIR</b>	TR3X6G1600C8D G(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•	•
<b>CORSAIR</b>	TR3X6G1600C9 G(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•	•

<b>CORSAIR</b>	CMX8GX3M4A1600C9(XMP)	8GB(4 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•	•
<b>Crucial</b>	BL25664BN1608.16FF(XMP)	6GB(3 x 2GB)	DS	-	-	-	-	•	•	
<b>G.SKILL</b>	F3-12800CL9D-2GBNQ(XMP)	2GB(2 x 1GB)	SS	-	-	9-9-9-24	1.5V~1.6V	•	•	
<b>G.SKILL</b>	F3-12800CL7D-4GBRH(XMP)	4GB(2 x 2GB)	SS	-	-	7-7-7-24	1.6V	•	•	•
<b>G.SKILL</b>	F3-12800CL7D-4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-8-24	XMP 1.35V	•	•	•
<b>G.SKILL</b>	F3-12800CL7D-4GBRM(XMP)	4GB(2 x 2GB)	DS	-	-	7-8-7-24	1.6V	•	•	•
<b>G.SKILL</b>	F3-12800CL8D-4GBRM(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.60V	•	•	•
<b>G.SKILL</b>	F3-12800CL9T-6GBNQ(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5V~1.6V	•	•	•
<b>GEIL</b>	GET316GB1600C9QC(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-28	1.6V	•	•	•
<b>GEIL</b>	GV34GB1600C8DC(XMP)	2GB	DS	-	-	8-8-8-28	1.6V	•	•	
<b>Kingmax</b>	FLGD45F-B8KG9(XMP)	1GB	SS	Kingmax	KFB8FNGXF-ANX-12A	-	-	•	•	•
<b>Kingmax</b>	FLGE85F-B8KG9(XMP)	2GB	DS	Kingmax	KFB8FNGXF-ANX-12A	-	-	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K3/12GX(XMP)	12GB(3x4GB)	DS	-	-	9-9-9-27	1.65V	•	•	•
<b>KINGSTON</b>	KHX1600C7D3K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	•	•	•
<b>Kingston</b>	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65V	•	•	•
<b>Kingston</b>	KHX1600C8D3T1K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65V	•	•	•
<b>KINGSTON</b>	KHX1600C9D3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	1.65V	•	•	•
<b>Kingston</b>	KHX1600C9D3K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	9	1.65V	•	•	•
<b>OCZ</b>	OCZ3BE1600C8LV4GK	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•	•
<b>OCZ</b>	OCZ3BE1600LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.65V	•	•	•
<b>OCZ</b>	OCZ3G16004GK	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.7V	•	•	•
<b>OCZ</b>	OCZ3OB1600LV4GK	4GB(2 x 2GB)	DS	-	-	-	1.65V	•	•	•
<b>OCZ</b>	OCZ3P1600EB4GK	4GB(2 x 2GB)	DS	-	-	7-7-6-24	1.8V	•	•	•
<b>OCZ</b>	OCZ3P1600LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.65V	•	•	•

<b>OCZ</b>	OCZ3P1600LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.65V	•	•
<b>OCZ</b>	OCZ3G1600LV6GK	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•
<b>Super</b>	WA160UX6G9	6GB(3 x 2GB)	DS	-	-	9	-	•	•
<b>Asint</b>	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-GJ1D	9-9-9-24	1.6V	•	•
<b>Elixir</b>	M2Y2G64CB8HA9N-DG(XMP)	2GB	DS	-	-	-	-	•	•
<b>Kingtiger</b>	KTG2G1600PG3	2GB	DS	-	-	-	-	•	•
<b>Mushkin</b>	998659(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	-	•	•
<b>Mushkin</b>	998659(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5~1.6V	•	•
<b>PATRIOT</b>	PGS34G1600LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7V	•	•
<b>Vendor</b>	<b>PartNum.</b>	<b>Size</b>	<b>SS/DS</b>	<b>Chip Brand</b>	<b>ChipNum.</b>	<b>Timing - Dimm</b>	<b>Vol.</b>		

### DDR3 1800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Option)		
								1 DIMM	2 DIMM	4 DIMM
<b>OCZ</b>	OCZ3P18004GK	4GB(2 x 2GB)	DS	-	-	8-8-8-27	1.9V	•	•	
<b>Vendor</b>	<b>PartNum.</b>	<b>Size</b>	<b>SS/DS</b>	<b>Chip Brand</b>	<b>ChipNum.</b>	<b>Timing - Dimm</b>	<b>Vol.</b>			

### DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Option)		
								1 DIMM	2 DIMM	4 DIMM
<b>CORSAIR</b>	CMT4GX3M2A1866C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•	
<b>KINGSTON</b>	KHX1866C9D3T1K3/3GX(XMP)	3GB(3 x 1GB)	SS	-	-	-	1.65V	•	•	
<b>KINGSTON</b>	KHX1866C9D3T1K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	-	1.65V	•	•	
<b>OCZ</b>	OCZ3G1866LV4GK	4GB(2 x 2GB)	DS	-	-	10-10-10-27	1.65V	•	•	
<b>OCZ</b>	OCZ3P1866LV4GK	4GB(2 x 2GB)	DS	-	-	9-9-9-27	1.65V	•	•	
<b>Vendor</b>	<b>PartNum.</b>	<b>Size</b>	<b>SS/DS</b>	<b>Chip Brand</b>	<b>ChipNum.</b>	<b>Timing - Dimm</b>	<b>Vol.</b>			

### DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Option)		
								1 DIMM	2 DIMM	4 DIMM
<b>Transcend</b>	TX2400KLU-4GK(XMP)	4GB (2x 2GB)	DS	-	-	9-11-9-28	1.65V	•	•	

#### 4 DIMM Slots

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports one pair of modules inserted into either the **blue** slots or the **black** slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the **blue** and **black** slots as two pairs of Dual-channel memory configuration

1. When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB.

Hence, a total installed memory of less than 3GB is recommended.

2. It is recommended to install the memory modules from the slots for better overclocking capability.

3. The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module.

Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.