

## M3A78-EM Motherboard Qualified Vendor List (QVL)

### DDR2-1066 Qualified Vendor List (QVL)

| Size            | Vendor    | Part No.             | CL  | Chip Brand | SS/DS | Chip No.                      | DIMM socket support (Optional) |      |      |
|-----------------|-----------|----------------------|-----|------------|-------|-------------------------------|--------------------------------|------|------|
|                 |           |                      |     |            |       |                               | A*                             | B*   | C*   |
| DDR2 1066 512MB | Kingston  | KVR1066D2N7/512      | N/A | Elpida     | SS    | E5108AJBG-1J-E                | N/A                            | Pass | Pass |
| DDR2 1066 1G    | Kingston  | KHX8500D2/1G         | N/A | Kingston   | DS    | Heat-Sink Package             | N/A                            | Pass | Pass |
| DDR2 1066 1G    | Qimonda   | HYS64T128020EU-19F-C | 6   | Qimonda    | DS    | HYB18T512800CF19FFSS2431<br>3 | N/A                            | Pass | Pass |
| DDR2 1066 1G    | Kingmax   | KLED48F-A8K15        | N/A | Kingmax    | DS    | KKA8FFIXF-JFS-18A             | N/A                            | Pass | Pass |
| DDR2 1066 1G    | Transcend | TX1066QLJ-2GK1GB     | 5   | Transced   | DS    | Heat-Sink Package             | N/A                            | Pass | Pass |
| DDR2 1066 1G    | OCZ       | OCZ2N1066SR2DK       | N/A | OCZ        | DS    | Heat-Sink Package             | N/A                            | Pass | Pass |
| DDR2 1066 1G    | GEIL      | GE22GB1066C5DC       | 5   | GEIL       | DS    | Heat-Sink Package             | N/A                            | Pass | Pass |
| DDR2 1066 1G    | GEIL      | GE24GB1066C5QC       | 5   | GEIL       | DS    | Heat-Sink Package             | N/A                            | Pass | Pass |
| DDR2 1066 512MB | Kingston  | KHX8500D2/512        | N/A | Kingston   | SS    | Heat-Sink Package             | Pass                           | Pass | Pass |
| DDR2 1066 1G    | GEIL      | GE22GB1066C5DC       | 5   | GEIL       | DS    | Heat-Sink Package             | Pass                           | Pass | Pass |

### DDR2-800 Qualified Vendor List (QVL)

| Size           | Vendor   | Part No.         | CL  | Chip Brand | SS/DS | Chip No.                          | DIMM socket support (Optional) |      |      |
|----------------|----------|------------------|-----|------------|-------|-----------------------------------|--------------------------------|------|------|
|                |          |                  |     |            |       |                                   | A*                             | B*   | C*   |
| DDR2 800 1G    | Kingston | KHX6400D2LL/1G   | N/A | Kingston   | DS    | Heat-Sink Package                 | N/A                            | Pass | Pass |
| DDR2 800 512MB | Kingston | KVR800D2N5/512   | N/A | Promos     | SS    | V59C1512804QCF25SY032406<br>PECPA | N/A                            | Pass | Pass |
| DDR2 800 2G    | Kingston | KHX6400D2/2G     | N/A | Kingston   | DS    | Heat-Sink Package                 | N/A                            | Pass | Pass |
| DDR2 800 4G    | Kingston | KVR800D2N6/4G    | N/A | Elpida     | DS    | E2108ABSE-8G-E                    | N/A                            | Pass | Pass |
| DDR2 800 512MB | Samsung  | M378T6553GZS-CF7 | 6   | Samsung    | SS    | K4T51083QG-HCF7                   | N/A                            | Pass | Pass |

|                |              |                      |     |              |    |                           |     |      |      |
|----------------|--------------|----------------------|-----|--------------|----|---------------------------|-----|------|------|
| DDR2 800 2G    | Samsung      | M37875663QZ3-CF7     | 6   | Samsung      | DS | K4T1G084QQ-HCF7           | N/A | Pass | Pass |
| DDR2 800 2G    | Samsung      | M391T5663QZ3-CF7     | 6   | Samsung      | DS | K4T1G084QQ-HCF7(ECC)      | N/A | Pass | Pass |
| DDR2 800 512MB | Qimonda      | HYS64T64000EU-2.5-B2 | 6   | Qimonda      | SS | HYB18T512800B2F25FSS28380 | N/A | Pass | Pass |
| DDR2 800 1G    | Micron       | MT9HTF12872AY-800E1  | 6   | Micron       | SS | D9HNP 7YE22(ECC)          | N/A | Pass | Pass |
| DDR2 800 1G    | Corsair      | XMS2-6400            | 4   | Corsair      | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 512MB | HY           | HYMP564U64CP8-S5 AB  | 5   | Hynix        | SS | HY5PS12821CFP-S5          | N/A | Pass | Pass |
| DDR2 800 1G    | HY           | HYMP512U64CP8-S5 AB  | 5   | Hynix        | DS | HY5PS12821CFPS5           | N/A | Pass | Pass |
| DDR2 800 512MB | Kingmax      | KLDC28F-A8KI5        | N/A | Kingmax      | SS | KKA8FF1XF-JFS-25A         | N/A | Pass | Pass |
| DDR2 800 1G    | Kingmax      | KLDD48F-A8K15        | N/A | Kingmax      | DS | KKA8FFIXF-HFS-25A         | N/A | Pass | Pass |
| DDR2 800 512MB | Apacer       | 78.91G91.9K5         | 5   | Apacer       | SS | AM4B5708JQJS8E0751C       | N/A | Pass | Pass |
| DDR2 800 2G    | Apacer       | 78.A1GA0.9K4         | 5   | Apacer       | DS | AM4B5808CQJS8E0740E       | N/A | Pass | Pass |
| DDR2 800 512MB | Transcend    | TS128MLQ64V8J512MB   | N/A | Micron       | SS | 7HD22 D9GMH               | N/A | Pass | Pass |
| DDR2 800 1G    | Transcend    | 505485-1034          | 5   | Transcend    | DS | TQ123PJF8F0801            | N/A | Pass | Pass |
| DDR2 800 512MB | VDATA        | M2GVD6G3H3160Q1E52   | N/A | VDATA        | SS | VD29608A8A-25EG20813      | N/A | Pass | Pass |
| DDR2 800 1G    | ADATA        | M2OAD6G314170Q1E58   | N/A | ADATA        | DS | AD29608A8A-25EG80810      | N/A | Pass | Pass |
| DDR2 800 2G    | PSC          | AL8E8F73C-8E1        | 5   | PSC          | DS | A3R1GE3CFF734MAA0E        | N/A | Pass | Pass |
| DDR2 800 2G    | PSC          | AL7E8E63H-10E1K      | 5   | PSC          | DS | A3R1GE3CFF750RABBP(ECC)   | N/A | Pass | Pass |
| DDR2 800 1G    | GEIL         | GX22GB6400DC         | 5   | GEIL         | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 2G    | GEIL         | GE28GB800C5QC        | 5   | GEIL         | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 1G    | Super Talent | T800UB1GC4           | 4   | Super Talent | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 1G    | G.SKILL      | F2-6400CL4D-2GBPK    | 4   | G.SKILL      | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 2G    | G.SKILL      | F2-6400CL5D-4GBPQ    | 5   | G.SKILL      | DS | Heat-Sink Package         | N/A | Pass | Pass |
| DDR2 800 4G    | G.SKILL      | F2-6400CL5Q-16GNQ    | 5   | G.SKILL      | DS | Heat-Sink Package         | N/A | Pass | X    |

|                |              |                    |     |              |    |                                   |      |      |      |
|----------------|--------------|--------------------|-----|--------------|----|-----------------------------------|------|------|------|
| DDR2 800 1G    | OCZ          | OCZ2VU8004GK       | 6   | OCZ          | DS | Heat-Sink Package                 | N/A  | Pass | Pass |
| DDR2 800 1G    | Elixir       | M2Y1G64TU8HB0B-25C | 5   | Elixir       | DS | N2TU51280BE-25C802006Z1DV         | N/A  | Pass | Pass |
| DDR2 800 1G    | Kingston     | KHX6400D2LL/1G     | N/A | Kingston     | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 512MB | Kingston     | KVR800D2N5/512     | N/A | Promos       | SS | V59C1512804QCF25SY032406<br>PECPA | Pass | Pass | Pass |
| DDR2 800 2G    | Kingston     | KHX6400D2/2G       | N/A | Kingston     | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 512MB | Kingmax      | KLDC28F-A8KI5      | N/A | Kingmax      | SS | KKA8FF1XF-JFS-25A                 | Pass | Pass | Pass |
| DDR2 800 512MB | Apacer       | 78.91G91.9K5       | 5   | Apacer       | SS | AM4B5708JQJS8E0751C               | Pass | Pass | Pass |
| DDR2 800 1G    | Transcend    | TS128MLQ64V8J      | 5   | Mircon       | DS | 7HD22D9GMH                        | Pass | Pass | Pass |
| DDR2 800 512MB | ADATA        | M2OAD6G3H3160Q1E58 | N/A | ADATA        | SS | AD29608A8A-25EG80812              | Pass | X    | Pass |
| DDR2 800 1G    | ADATA        | M2OAD6G314170Q1E58 | N/A | ADATA        | DS | AD29608A8A-25EG80810              | Pass | Pass | Pass |
| DDR2 800 2G    | GEIL         | GX22GB6400CUSC     | 4   | GEIL         | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 1G    | Super Talent | T800UB1GC4         | 4   | Super Talent | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 2G    | G.SKILL      | F2-6400CL4D-4GBPK  | 4   | G.SKILL      | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 1G    | OCZ          | OCZ2RPR8002GK      | 4   | OCZ          | DS | Heat-Sink Package                 | Pass | Pass | Pass |
| DDR2 800 1G    | OCZ          | OCZ2VU8004GK       | 6   | OCZ          | DS | Heat-Sink Package                 | Pass | Pass | Pass |

**DDR2-667**  
**Qualified Vendor List (QVL)**

| Size           | Vendor   | Part No.            | CL  | Chip Brand | SS/DS | Chip No.                      | DIMM socket support (Optional) |      |      |
|----------------|----------|---------------------|-----|------------|-------|-------------------------------|--------------------------------|------|------|
|                |          |                     |     |            |       |                               | A*                             | B*   | C*   |
| DDR2 667 512MB | Kingston | KVR667D2N5/512      | N/A | Hynix      | SS    | HY5PS12821EFP-Y5              | N/A                            | Pass | Pass |
| DDR2 667 1G    | Kingston | KVR667D2N5/1G       | N/A | Hynix      | DS    | HY5PS12821EFP-Y5              | N/A                            | Pass | Pass |
| DDR2 667 512MB | Qimonda  | HYS64T64000EU-3S-B2 | 5   | Qimonda    | SS    | HYB18T512B00B2F3SFSS2817<br>1 | N/A                            | Pass | Pass |

|                |           |                      |     |         |    |                               |      |      |      |
|----------------|-----------|----------------------|-----|---------|----|-------------------------------|------|------|------|
| DDR2 667 1G    | Qimonda   | HYS64T128020EU-3S-B2 | 5   | Qimonda | DS | HYB18T512B00B2F3SFSS2817<br>1 | N/A  | Pass | Pass |
| DDR2 667 1G    | Corsair   | XMS2-5400            | 4   | Corsair | DS | Heat-Sink Package             | N/A  | Pass | Pass |
| DDR2 667 512MB | Kingmax   | KLCC28F-A8KB5        | N/A | Kingmax | SS | KKEA88B4LAUG-29DX             | N/A  | Pass | Pass |
| DDR2 667 1G    | Kingmax   | KLCD48F-A8KB5        | N/A | Kingmax | DS | KKEA88B4LAUG-29DX             | N/A  | Pass | Pass |
| DDR2 667 512MB | Apacer    | 78.91G92.9K5         | 5   | Apacer  | SS | AM4B5708JQJS7E0751C           | N/A  | Pass | Pass |
| DDR2 667 1G    | Apacer    | AU01GE667C5KBGC      | N/A | Apacer  | DS | AM4B5708GQJS7E0636B           | N/A  | Pass | Pass |
| DDR2 667 2G    | Apacer    | 78.A1G90.9K4         | 5   | Apacer  | DS | AM4B5808CQJS7E0749B           | N/A  | Pass | Pass |
| DDR2 667 1G    | Transcend | 506010-4894          | 5   | Elpida  | DS | E5108AJBG-6E-E                | N/A  | Pass | Pass |
| DDR2 667 1G    | ADATA     | M2OAD5G314170Q1C58   | N/A | ADATA   | DS | AD29608A8A-3EG80814           | N/A  | Pass | Pass |
| DDR2 667 2G    | ADATA     | M2OAD5H3J4170I1C53   | N/A | ADATA   | DS | AD20908A8A-3EG 30724          | N/A  | Pass | Pass |
| DDR2 667 512MB | PSC       | AL6E8E63J-6E1        | 5   | PSC     | SS | A3R12E3JFF717B9A00            | N/A  | Pass | Pass |
| DDR2 667 1G    | PSC       | AL7E8F73C-6E1        | 5   | PSC     | SS | A3R1GE3CFF734MAA0J            | N/A  | Pass | Pass |
| DDR2 667 512MB | Nanya     | NT512T64U88A1BY-3C   | N/A | Nanya   | SS | NT5TU64M8AE-3C                | N/A  | Pass | Pass |
| DDR2 667 1G    | GEIL      | GX21GB5300SX         | 3   | GEIL    | DS | Heat-Sink Package             | N/A  | Pass | Pass |
| DDR2 667 2G    | GEIL      | GX24GB5300LDC        | 5   | GEIL    | DS | Heat-Sink Package             | N/A  | Pass | Pass |
| DDR2 667 512MB | Twinmos   | 8D-A3JK5MPETP        | 5   | PSC     | SS | A3R12E3GEF633ACAOY            | N/A  | Pass | Pass |
| DDR2 667 1G    | Leadmax   | LRMP512U64A8-Y5      | N/A | Hynix   | DS | HY5PS12821CFP-Y5 C 702AA      | N/A  | Pass | Pass |
| DDR2 667 2G    | Kingston  | KVR667D2N5/2G        | N/A | Micron  | DS | 7RE22 D9HNL                   | Pass | Pass | Pass |
| DDR2 667 512MB | Qimonda   | HYS64T64000EU-3S-B2  | 5   | Qimonda | SS | HYB18T512B00B2F3SFSS2817<br>1 | Pass | Pass | Pass |
| DDR2 667 1G    | Corsair   | VS1GB667D2           | N/A | Corsair | DS | MID095D62864M8CEC             | Pass | X    | Pass |
| DDR2 667 1G    | Corsair   | XMS2-5400            | 4   | Corsair | DS | Heat-Sink Package             | Pass | Pass | Pass |
| DDR2 667 1G    | Kingmax   | KLCD48F-A8KB5        | N/A | Kingmax | DS | KKEA88B4LAUG-29DX             | Pass | Pass | Pass |
| DDR2 667 512MB | Apacer    | AU512E667C5KBGC      | 5   | Apacer  | SS | AM4B5708MIJS7E0627B           | Pass | Pass | Pass |

|                |              |                    |     |              |    |                          |      |      |      |
|----------------|--------------|--------------------|-----|--------------|----|--------------------------|------|------|------|
| DDR2 667 512MB | Apacer       | AU512E667C5KBGC    | 5   | Apacer       | SS | AM4B5708GQJS7E06332F     | X    | X    | Pass |
| DDR2 667 512MB | Apacer       | 78.91G92.9K5       | 5   | Apacer       | SS | AM4B5708JQJS7E0751C      | Pass | Pass | Pass |
| DDR2 667 1G    | Apacer       | 78.01G90.9K5       | 5   | Apacer       | SS | AM4B5808CQJS7E0751C      | Pass | X    | Pass |
| DDR2 667 1G    | Apacer       | AU01GE667C5KBGC    | 5   | Apacer       | DS | AM4B5708MIJS7E0627B      | Pass | Pass | Pass |
| DDR2 667 1G    | Transcend    | 506010-4894        | 5   | Elpida       | DS | E5108AJBG-6E-E           | Pass | Pass | Pass |
| DDR2 667 512MB | ADATA        | M20AD5G3H3160Q1C52 | N/A | ADATA        | SS | AD29608A8A-3EG20813      | Pass | Pass | Pass |
| DDR2 667 1G    | PSC          | AL7E8E63J-6E1      | 5   | PSC          | DS | A3R12E3JFF717B9A01       | Pass | Pass | Pass |
| DDR2 667 1G    | PSC          | AL7E8F73C-6E1      | 5   | PSC          | SS | A3R1GE3CFF734MAA0J       | Pass | Pass | Pass |
| DDR2 667 512MB | Nanya        | NT512T64U88A1BY-3C | N/A | Nanya        | SS | NT5TU64M8AE-3C           | Pass | Pass | Pass |
| DDR2 667 1G    | Super Talent | T667UB1GV          | 5   | Super Talent | DS | PG 64M8-800 0750         | Pass | Pass | Pass |
| DDR2 667 4G    | Samsung      | M378T5263AZ3-CE6   | N/A | Samsung      | DS | K4T2G084QA-HCE6          | Pass | Pass | Pass |
| DDR2 667 1G    | Leadmax      | LRMP512U64A8-Y5    | N/A | Hynix        | DS | HY5PS12821CFP-Y5 C 702AA | Pass | Pass | Pass |

Note:

A\* : Supports one module inserted in any slot as Single-channel memory configuration

B\* : Supports one pair of modules inserted into either the blue slots or the black slots as one pair of Dual-channel memory configuration

C\* : Supports 4 modules inserted into both the blue and black slots as two pairs of Dual-channel memory configuration