

## Qualified Vendors Lists (QVL)

### DDR2-800 MHz capability

| Size   | Vendor    | Chip No.           | SS/DS | Part No.             | DIMM support |    |    |
|--------|-----------|--------------------|-------|----------------------|--------------|----|----|
|        |           |                    |       |                      | A*           | B* | C* |
| 512MB  | KINGSTON  | K4T51083QC         | SS    | KVR800D2N5/512       | *            | *  | *  |
| 1024MB | KINGSTON  | K4T51083QC         | DS    | KVR800D2N5/1G        | *            | *  | *  |
| 1024MB | KINGSTON  | Heat-Sink Package  | DS    | KHX6400D2LL/1G       | *            | *  |    |
| 1024MB | KINGSTON  | Heat-Sink Package  | SS    | KHX6400D2LLK2/1GN    | *            | *  | *  |
| 2048MB | KINGSTON  | Heat-Sink Package  | DS    | KHX6400D2K2/2G       | *            | *  | *  |
| 512MB  | Qimonda   | HYB18T256800AF25F  | DS    | HYS64T64020HU-25F-A  | *            | *  | *  |
| 256MB  | Qimonda   | HYB18T512160BF-25F | SS    | HYS64T32000HU-25F-B  | *            | *  | *  |
| 512MB  | Qimonda   | HYB18T512800BF25F  | SS    | HYS64T64000HU-25F-B  | *            | *  |    |
| 1024MB | Qimonda   | HYB18T512800BF25F  | DS    | HYS64T128020HU-25F-B | *            | *  | *  |
| 512MB  | SAMSUNG   | EDD339XX           | SS    | M378T6553CZ3-CE7     | *            | *  |    |
| 256MB  | SAMSUNG   | K4T51163QC-ZCE7    | SS    | M378T3354CZ3-CE7     | *            | *  | *  |
| 512MB  | SAMSUNG   | ZCE7K4T51083QC     | SS    | M378T6553CZ3-CE7     |              | *  | *  |
| 1024MB | SAMSUNG   | ZCE7K4T51083QC     | DS    | M378T2953CZ3-CE7     | *            | *  | *  |
| 512MB  | Hynix     | HY5PS12821BFP-S5   | SS    | HYMP564U64BP8-S5     | *            |    | *  |
| 1024MB | Hynix     | HY5PS12821BFP-S5   | DS    | HYMP512U64BP8-S5     | *            |    | *  |
| 512MB  | MICRON    | 5JAIIZ9DQQ         | SS    | MT8HTF6464AY-80EA3   | *            | *  | *  |
| 1024MB | MICRON    | 5JAIIZ9DQQ         | DS    | MT16HTF12864AY-80EA3 | *            | *  | *  |
| 512MB  | MICRON    | 5ZD22D9GKX         | SS    | MT8HTF6464AY-80ED4   | *            | *  | *  |
| 1024MB | MICRON    | 5ZD22D9GKX         | DS    | MT16HTF12864AY-80ED4 | *            | *  |    |
| 512MB  | MICRON    | 6CD22D9GKX         | SS    | MT8HTF6464AY-80ED4   | *            | *  | *  |
| 1024MB | MICRON    | 6CD22D9GKX         | DS    | MT16HTF12864AY-80ED4 | *            | *  | *  |
| 512MB  | CORSAIR   | Heat-Sink Package  | SS    | CM2X512A-6400        | *            | *  |    |
| 1024MB | CORSAIR   | Heat-Sink Package  | DS    | CM2X1024-6400C4      | *            | *  |    |
| 1024MB | ELPIDA    | E1108AB-8E-E(ECC)  | SS    | EBE10EE8ABFA-8E-E    | *            | *  | *  |
| 2048MB | ELPIDA    | E1108AB-8E-E(ECC)  | DS    | EBE21EE8ABFA-8E-E    |              | *  | *  |
| 512MB  | A-DATA    | N/A                | SS    | M20AD6G3H3160J1E52   | *            | *  | *  |
| 512MB  | A-DATA    | AD29608A8A-25EG    | SS    | M20AD6G3H3160H1E5E   | *            | *  | *  |
| 512MB  | Crucial   | Heat-Sink Package  | SS    | BL6464AA804.8FD      | *            | *  | *  |
| 1024MB | Crucial   | Heat-Sink Package  | DS    | BL12864AA804.16FD    | *            | *  | *  |
| 512MB  | Apacer    | Heat-Sink Package  | SS    | AHU512E800C5K1C      |              |    | *  |
| 1024MB | Apacer    | Heat-Sink Package  | DS    | AHU01GE800C5K1C      |              |    | *  |
| 512MB  | Transcend | K4T51083QC         | SS    | TS64MLQ64V8J         | *            | *  | *  |
| 1024MB | Transcend | K4T51083QC         | DS    | TS128MLQ64V8J        | *            | *  | *  |

## DDR2-667 MHz capability

| Size   | Vendor   | Chip No.              | SS/DS | Part No.            | DIMM support |    |    |
|--------|----------|-----------------------|-------|---------------------|--------------|----|----|
|        |          |                       |       |                     | A*           | B* | C* |
| 256MB  | KINGSTON | HYB18T256800AF3       | SS    | KVR667D2N5/256      |              | •  | •  |
| 512MB  | KINGSTON | D6408TEBGL3U          | SS    | KVR667D2N5/512      | •            | •  | •  |
| 1024MB | KINGSTON | D6408TEBGL3U          | DS    | KVR667D2N5/1G       | •            | •  | •  |
| 256MB  | KINGSTON | HYB18T256800AF3S      | SS    | KVR667D2N5/256      | •            | •  | •  |
| 256MB  | Qimonda  | HYB18T512160AF-3S     | SS    | HYS64T32000HU-3S-A  | •            | •  | •  |
| 512MB  | Qimonda  | HYB18T512800AF3S      | SS    | HYS64T64000HU-3S-A  | •            | •  | •  |
| 1024MB | Qimonda  | HYB18T512800AF3S      | DS    | HYS64T128020HU-3S-A | •            | •  |    |
| 256MB  | Qimonda  | HYB18T256800AF3S(ECC) | SS    | HYS72T32000HU-3S-A  |              | •  |    |
| 512MB  | Qimonda  | HYB18T512800AF3S(ECC) | SS    | HYS72T64000HU-3S-A  | •            | •  | •  |
| 1024MB | Qimonda  | HYB18T512800AF3S(ECC) | DS    | HYS72T128020HU-3S-A | •            | •  | •  |
| 512MB  | Qimonda  | HYB18T512800BF3S(ECC) | SS    | HYS72T64000HU-3S-B  | •            | •  |    |
| 1024MB | Qimonda  | HYB18T512800BF3S(ECC) | DS    | HYS72T128020HU-3S-B | •            | •  | •  |
| 256MB  | Qimonda  | HYB18T512160BF-3S     | SS    | HYS64T32000HU-3S-B  | •            | •  | •  |
| 512MB  | Qimonda  | HYB18T512800BF3S      | SS    | HYS64T64000HU-3S-B  | •            | •  | •  |
| 1024MB | Qimonda  | HYB18T512800BF3S      | DS    | HYS64T128020HU-3S-B | •            | •  | •  |
| 256MB  | SAMSUNG  | K4T51163QC-ZCE6       | SS    | M378T3354CZ0-CE6    | •            | •  |    |
| 512MB  | SAMSUNG  | ZCE6K4T51083QC        | SS    | M378T6553CZ0-CE6    | •            | •  | •  |
| 256MB  | SAMSUNG  | K4T51163QC-ZCE6       | SS    | M378T3354CZ3-CE6    | •            | •  | •  |
| 512MB  | SAMSUNG  | K4T51083QC            | SS    | M378T6553CZ3-CE6    | •            | •  | •  |
| 512MB  | Hynix    | HY5PS12821AFP-Y5      | SS    | HYMP564U64AP8-Y5    |              |    | •  |
| 1024MB | Hynix    | HY5PS12821AFP-Y5      | DS    | HYMP512U64AP8-Y5    | •            | •  |    |
| 1024MB | Hynix    | HY5PS1G831FP-Y5(ECC)  | SS    | HYMP112U72P8-Y5     | •            |    | •  |
| 512MB  | Hynix    | HY5PS12821AFP-Y5(ECC) | SS    | HYMP564U72AP8-Y5    | •            | •  | •  |
| 1024MB | Hynix    | HY5PS12821AFP-Y5(ECC) | DS    | HYMP512U72AP8-Y5    | •            | •  | •  |
| 512MB  | Hynix    | HY5PS12821AFP-Y4      | SS    | HYMP564U64AP8-Y4    | •            | •  | •  |
| 1024MB | Hynix    | HY5PS12821AFP-Y4      | DS    | HYMP512U64AP8-Y4    | •            | •  |    |
| 512MB  | Hynix    | HY5PS12821AFP-Y4(ECC) | SS    | HYMP564U72AP8-Y4    | •            | •  | •  |
| 1024MB | Hynix    | HY5PS12821AFP-Y4(ECC) | DS    | HYMP512U72AP8-Y4    | •            | •  |    |
| 256MB  | CORSAIR  | MIII00605             | SS    | VS256MB667D2        |              | •  | •  |
| 512MB  | CORSAIR  | 64M8CFEG              | SS    | VS512MB667D2        | •            | •  | •  |
| 1024MB | CORSAIR  | 64M8CFEG              | DS    | VS1GB667D2          | •            | •  | •  |
| 256MB  | ELPIDA   | E2508AB-6E-E          | SS    | EBE25UC8ABFA-6E-E   | •            | •  | •  |
| 512MB  | ELPIDA   | E5108AE-6E-E          | SS    | EBE51UD8AEFA-6E-E   | •            | •  | •  |
| 512MB  | A-DATA   | AD29608A8A-3EG        | SS    | M20AD5G3H3166H1C52  | •            | •  | •  |
| 1024MB | A-DATA   | AD29608A8A-3EG        | DS    | M20AD5G3I4176H1C52  | •            | •  | •  |

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## DDR2-667 MHz capability

| Size   | Vendor       | Chip No.            | SS/DS | Part No.           | DIMM support |    |    |
|--------|--------------|---------------------|-------|--------------------|--------------|----|----|
|        |              |                     |       |                    | A*           | B* | C* |
| 512MB  | crucial      | Heat-Sink Package   | SS    | BL6464AA663.8FD    | •            |    |    |
| 1024MB | crucial      | Heat-Sink Package   | DS    | BL12864AL664.16FD  | •            | •  | •  |
| 1024MB | crucial      | Heat-Sink Package   | DS    | BL12864AA663.16FD2 | •            | •  | •  |
| 1024MB | Apacer       | E5108AE-6E-E        | DS    | 78.01092.420       | •            | •  |    |
| 512MB  | Apacer       | AM4B5708GQJS7E0628F | SS    | AU512E667C5KBGC    | •            | •  | •  |
| 1024MB | Apacer       | AM4B5708GQJS7E      | DS    | AU01GE667C5KBGC    | •            | •  | •  |
| 512MB  | Kingmax      | KKEA88B4LAUG-29DX   | SS    | KLCC28F-A8KB5      | •            | •  | •  |
| 1024MB | Kingmax      | KKEA88B4LAUG-29DX   | DS    | KLCD48F-A8KB5      | •            | •  | •  |
| 512MB  | Transcend    | E5108AE-6E-E        | SS    | TS64MLQ64V6J       | •            | •  | •  |
| 1024MB | Transcend    | E5108AE-6E-E        | DS    | TS128MLQ64V6J      | •            | •  | •  |
| 512MB  | Transcend    | J12Q3AB-6           | SS    | JM367Q643A-6       | •            | •  | •  |
| 1024MB | Transcend    | J12Q3AB-6           | DS    | JM388Q643A-6       | •            |    | •  |
| 512MB  | Super Talent | Heat-Sink Package   | SS    | T6UA512C5          | •            | •  | •  |
| 1024MB | Super Talent | Heat-Sink Package   | DS    | T6UB1GC5           | •            | •  | •  |
| 512MB  | SMART        | G64M8XB3ITIX4TUE    | SS    | TB3D2667C58S       | •            | •  | •  |
| 512MB  | SMART        | G64M8XB3ITIX4TUE    | DS    | TB4D2667C58D       | •            |    | •  |

## DDR2-533 MHz capability

| Size   | Vendor       | Chip No.              | SS/DS | Part No.             | DIMM support |    |    |
|--------|--------------|-----------------------|-------|----------------------|--------------|----|----|
|        |              |                       |       |                      | A*           | B* | C* |
| 512MB  | Qimonda      | HYB18T512800AF37      | SS    | HYS64T64000HU-3.7-A  | •            | •  |    |
| 1024MB | Qimonda      | HYB18T512800AF37      | DS    | HYS64T128020HU-3.7-A | •            | •  | •  |
| 2048MB | Qimonda      | HYB18T1G800AF-3.7     | DS    | HYS64T256020HU-3.7-A |              | •  |    |
| 256MB  | Qimonda      | HYB18T5121608BF-3.7   | SS    | HYS64T32000HU-3.7-B  | •            | •  |    |
| 512MB  | Qimonda      | HYB18T512800BF37      | SS    | HYS64T64000HU-3.7-B  | •            | •  | •  |
| 1024MB | Qimonda      | HYB18T512800BF37      | DS    | HYS64T128020HU-3.7-B | •            | •  | •  |
| 256MB  | Qimonda      | HYB18T256800AF37(ECC) | SS    | HYS72T32000HU-3.7-A  | •            |    |    |
| 1024MB | Qimonda      | HYB18T512800AF37(ECC) | DS    | HYS72T128020HU-3.7-A | •            | •  | •  |
| 256MB  | SAMSUNG      | K4T51163QC-ZCD5       | SS    | M378T3354CZ3-CD5     | •            |    |    |
| 512MB  | Hynix        | HY5PS12821F-C4        | SS    | HYMP564U648-C4       | •            | •  | •  |
| 512MB  | Hynix        | HY5PS12821F-C4(ECC)   | SS    | HYMP564U728-C4       | •            | •  | •  |
| 1024MB | Hynix        | HY5PS12821FP-C4       | DS    | HYMP512U648-C4       | •            |    |    |
| 512MB  | Hynix        | HY5PS12821AFP-C3      | SS    | HYMP564U64AP8-C3     | •            | •  |    |
| 1024MB | Hynix        | HY5PS12821AFP-C3      | DS    | HYMP512U64AP8-C3     | •            | •  | •  |
| 512MB  | CORSAIR      | Mi110052432M8CEC      | DS    | VS512MB533D2         | •            | •  | •  |
| 1024MB | CORSAIR      | 64M8CEDG              | DS    | VS1GB533D2           | •            | •  |    |
| 512MB  | KINGMAX      | E5108AE-5C-E          | SS    | KLBC28F-A8EB4        | •            | •  |    |
| 1024MB | KINGMAX      | E5108AE-5C-E          | DS    | KLBD48F-A8EB4        |              | •  |    |
| 512MB  | KINGMAX      | KKEA88E4AAK-37        | SS    | KLBC28F-A8KE4        | •            | •  |    |
| 1024MB | KINGMAX      | 5MB22D9DCN            | DS    | KLBD48F-A8ME4        |              | •  | •  |
| 512MB  | Super Talent | Heat-Sink Package     | SS    | T5UA512C4            |              | •  |    |
| 1024MB | Super Talent | Heat-Sink Package     | DS    | T5UB1GC4             | •            | •  | •  |

Side(s): SS - Single-sided      DS - Double-sided

DIMM support:

- 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 slots and the black slots as two pairs of Dual-channel memory configuration