

## P8B WS Memory Qualified Vendors List (QVL)

DDR3 1067 MHz Capability BIOS Version:0202

### DDR3 1067 Qualified Vendors List (QVL)

| Vendors  | Part No.             | Size         | SS/DS | Chip Brand | Chip NO.           | Timing   | Voltage | IMM socket support (Optional) |        |        |
|----------|----------------------|--------------|-------|------------|--------------------|----------|---------|-------------------------------|--------|--------|
|          |                      |              |       |            |                    |          |         | 1 DIMM                        | 2 DIMM | 4 DIMM |
| Crucial  | CT12864BA1067.8FF    | 1GB          | SS    | MICRON     | D9KPT              | 7        | -       | •                             | •      | •      |
| Crucial  | CT12864BA1067.8SFD   | 1GB          | SS    | MICRON     | D9JNL              | 7        | -       | •                             | •      | •      |
| Crucial  | CT12872BA1067.9FF    | 1GB          | SS    | MICRON     | D9KPT(ECC)         | 7        | -       | •                             | •      | •      |
| Crucial  | CT25664BA1067.16FF   | 2GB          | DS    | MICRON     | D9KPT              | 7        | -       | •                             | •      | •      |
| Crucial  | CT25664BA1067.16SFD  | 2GB          | DS    | MICRON     | D9JNL              | 7        | -       | •                             | •      | •      |
| Crucial  | CT25672BA1067.18FF   | 2GB          | DS    | MICRON     | D9KPT(ECC)         | 7        | -       | •                             | •      | •      |
| ELPIDA   | EBJ10UE8BAW0-AE-E    | 1GB          | SS    | ELPIDA     | J1108BABG-DJ-E     | 7        | -       | •                             | •      | •      |
| ELPIDA   | EBJ10UE8EDF0-AE-F    | 1GB          | SS    | ELPIDA     | J1108EDSE-DJ-F     | -        | -       | •                             | •      | •      |
| ELPIDA   | EBJ11UD8BAFA-AG-E    | 1GB          | DS    | ELPIDA     | J5308BASE-AC-E     | 8        | -       | •                             | •      | •      |
| ELPIDA   | EBJ21UE8BAW0-AE-E    | 2GB          | DS    | ELPIDA     | J1108BABG-DJ-E     | 7        | -       | •                             | •      | •      |
| ELPIDA   | EBJ21UE8EDF0-AE-F    | 2GB          | DS    | ELPIDA     | J1108EDSE-DJ-F     | -        | -       | •                             | •      | •      |
| GEIL     | GG34GB1066C8DC       | 4GB (2x 2GB) | DS    | GEIL       | GL1L128M88BA115FW  | 8-8-8-20 | 1.3     | •                             | •      | •      |
| Hynix    | HMT112U6AFP8C-G7N0   | 1GB          | SS    | HYNIX      | H5TQ1G83AFP7C      | 7        | -       | •                             | •      | •      |
| Hynix    | HYMT112U64ZNF8-G7    | 1GB          | SS    | HYNIX      | HY5TQ1G831ZNF8-G7  | 7        | -       | •                             | •      | •      |
| Hynix    | HMT125U6AFP8C-G7N0   | 2GB          | DS    | HYNIX      | H5TQ1G83AFP7C      | 7        | -       | •                             | •      | •      |
| Hynix    | HYMT125U64ZNF8-G7    | 2GB          | DS    | HYNIX      | HY5TQ1G831ZNF8-G7  | 7        | -       | •                             | •      | •      |
| Kingston | KVR1066D3N7/1G       | 1GB          | SS    | Kingston   | D1288JPNPLD9U      | 7        | 1.5     | •                             | •      | •      |
| Kingston | KVR1066D3N7/2G       | 2GB          | DS    | Elpida     | J1108BDSE-DJ-F     | 7        | 1.5     | •                             | •      | •      |
| MICRON   | MT8JTF12864AZ-1G1F1  | 1GB          | SS    | MICRON     | 8ZF22 D9KPV        | 7        | -       | •                             | •      | •      |
| MICRON   | MT8JTF12864AZ-1G1F1  | 1GB          | SS    | MICRON     | D9KPT              | 7        | -       | •                             | •      | •      |
| MICRON   | MT9JSF12872AZ-1G1F1  | 1GB          | SS    | MICRON     | D9KPT(ECC)         | 7        | -       | •                             | •      | •      |
| MICRON   | MT16JTF25664AZ-1G1F1 | 2GB          | DS    | MICRON     | 8ZF22 D9KPV        | 7        | -       | •                             | •      | •      |
| MICRON   | MT16JTF25664AZ-1G1F1 | 2GB          | DS    | MICRON     | D9KPT              | 7        | -       | •                             | •      | •      |
| MICRON   | MT18JSF25672AZ-1G1F1 | 2GB          | DS    | MICRON     | D9KPT(ECC)         | 7        | -       | •                             | •      | •      |
| SAMSUNG  | M378B5273BH1-CH8     | 4GB          | DS    | SAMSUNG    | K4B2G0846B-HCF8    | 8        | 1.5     | •                             | •      | •      |
| Elixir   | M2Y2G64CB8HA9N-BE    | 2GB          | DS    | -          | -                  | -        | -       | •                             | •      | •      |
| Elixir   | M2Y2G64CB8HC5N-BE    | 2GB          | DS    | Elixir     | N2CB1G80CN-BE      | -        | -       | •                             | •      | •      |
| Elixir   | M2Y2G64CB8HC9N-BE    | 2GB          | DS    | -          | -                  | -        | -       | •                             | •      | •      |
| WINTEC   | 3DUJ3191A-10         | 1GB          | DS    | Qimonda    | IDSH51-03A1F1C-10F | 7        | -       | •                             | •      | •      |

DDR3 1333 MHz Capability BIOS Version:0202

### DDR3 1333 Qualified Vendors List (QVL)

| Vendors  | Part No.                 | Size          | SS/DS | Chip Brand | Chip NO.          | Timing   | Voltage | IMM socket support (Optional) |        |        |
|----------|--------------------------|---------------|-------|------------|-------------------|----------|---------|-------------------------------|--------|--------|
|          |                          |               |       |            |                   |          |         | 1 DIMM                        | 2 DIMM | 4 DIMM |
| Apacer   | 78.01GC6.9L0             | 1GB           | SS    | Apacer     | AM5D5808DEJSBG    | 9        | -       | •                             | •      | •      |
| Apacer   | 78.A1GC6.9L1             | 2GB           | DS    | Apacer     | AM5D5808DEWJSBG   | 9        | -       | •                             | •      | •      |
| Apacer   | 78.A1GC6.9L1             | 2GB           | DS    | Apacer     | AM5D5808FEQJSBG   | 9        | -       | •                             | •      | •      |
| CORSAIR  | CM3X2G1333C9             | 2GB           | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| CORSAIR  | TW3X4G1333C9A            | 4GB (2x 2GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| CORSAIR  | CMX8GX3M2A1333C9(XMP)    | 8GB (2x 4GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| CORSAIR  | CMX8GX3M4A1333C9         | 8GB(4 x 2GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| Crucial  | CT12864BA1339.8FF        | 1GB           | SS    | MICRON     | D9KPT             | 9        | -       | •                             | •      | •      |
| Crucial  | BL25664BN1337.16FF(XMP)  | 2GB           | DS    | -          | -                 | 7-7-7-24 | 1.65    | •                             | •      | •      |
| Crucial  | CT25664BA1339.16FF       | 2GB           | DS    | MICRON     | D9KPT             | 9        | -       | •                             | •      | •      |
| Crucial  | CT25672BA1339.18FF       | 2GB           | DS    | MICRON     | D9KPT(ECC)        | 9        | -       | •                             | •      | •      |
| ELPIDA   | EBJ10UE8BDF0-DJ-F        | 1GB           | SS    | ELPIDA     | J1108BDSE-DJ-F    | -        | -       | •                             | •      | •      |
| ELPIDA   | EBJ10UE8EDF0-DJ-F        | 1GB           | SS    | ELPIDA     | J1108EDSE-DJ-F    | -        | -       | •                             | •      | •      |
| ELPIDA   | EBJ21UE8BDF0-DJ-F        | 2GB           | DS    | ELPIDA     | J1108BDSE-DJ-F    | -        | -       | •                             | •      | •      |
| ELPIDA   | EBJ21UE8EDF0-DJ-F        | 2GB           | DS    | ELPIDA     | J1108EDSE-DJ-F    | -        | -       | •                             | •      | •      |
| G.SKILL  | F3-10660CL9D-4GBNT       | 4GB (2x 2GB)  | DS    | G.SKILL    | D3 128M8CE9 2GB   | 9-9-9-24 | 1.5     | •                             | •      | •      |
| G.SKILL  | F3-10666CL8D-4GBHX(XMP)  | 4GB (2x 2GB)  | DS    | -          | -                 | 8-8-8-21 | 1.5     | •                             | •      | •      |
| G.SKILL  | F3-10666CL7D-4GBPI(XMP)  | 4GB(2 x 2GB)  | DS    | -          | -                 | 7-7-7-21 | 1.5     | •                             | •      | •      |
| G.SKILL  | F3-10666CL7D-4GBRH(XMP)  | 4GB(2 x 2GB)  | DS    | -          | -                 | 7-7-7-21 | 1.5     | •                             | •      | •      |
| G.SKILL  | F3-10666CL8D-4GBECO(XMP) | 4GB(2 x 2GB)  | DS    | -          | -                 | 8-8-8-24 | 1.35    | •                             | •      | •      |
| G.SKILL  | F3-10666CL9D-8GBRL       | 8GB (2x 4GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| G.SKILL  | F3-10666CL9D-8GBRL       | 8GB (2x 4GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| GEIL     | GET316GB1333C9QC         | 16GB (4x 4GB) | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| GEIL     | GG34GB1333C9DC           | 4GB (2x 2GB)  | DS    | GEIL       | GL1L128M88BA115FW | 9-9-9-24 | 1.3     | •                             | •      | •      |
| GEIL     | GB34GB1333C7DC           | 4GB(2 x 2GB)  | DS    | GEIL       | GL1L128M88BA15FW  | 7-7-7-24 | 1.5     | •                             | •      | •      |
| GEIL     | GG34GB1333C9DC           | 4GB(2 x 2GB)  | DS    | GEIL       | GL1L128M88BA12N   | 9-9-9-24 | 1.3     | •                             | •      | •      |
| GEIL     | GV34GB1333C7DC           | 4GB(2 x 2GB)  | DS    | -          | -                 | 7-7-7-24 | 1.5     | •                             | •      | •      |
| GEIL     | GV34GB1333C9DC           | 4GB(2 x 2GB)  | DS    | -          | -                 | 9-9-9-24 | 1.5     | •                             | •      | •      |
| GEIL     | GVP38GB1333C7QC          | 8GB (4x 2GB)  | DS    | -          | -                 | 7-7-7-24 | 1.5     | •                             | •      | •      |
| Hynix    | HMT112U6TFR8A-H9         | 1GB           | SS    | Hynix      | H5TC1G83TFR       | -        | -       | •                             | •      | •      |
| Hynix    | HMT325U6BFR8C-H9         | 2GB           | SS    | Hynix      | H5TQ2G83BFR       | -        | -       | •                             | •      | •      |
| Hynix    | HMT125U6BFR8C-H9         | 2GB           | DS    | Hynix      | H5TQ1G83BFRH9C    | 9        | -       | •                             | •      | •      |
| Hynix    | HMT125U6TFR8A-H9         | 2GB           | DS    | Hynix      | H5TC1G83TFR       | -        | -       | •                             | •      | •      |
| Hynix    | HMT351U6BFR8C-H9         | 4GB           | DS    | Hynix      | H5TQ2G83BFR       | -        | -       | •                             | •      | •      |
| KINGMAX  | FLFD45F-B8KL9            | 1GB           | SS    | KINGMAX    | KFB8FNLXF-BNF-15A | -        | -       | •                             | •      | •      |
| KINGMAX  | FLFE85F-C8KM9            | 2GB           | SS    | Kingmax    | KFC8FNMXF-BXX-15A | -        | -       | •                             | •      | •      |
| KINGMAX  | FLFE85F-B8KL9            | 2GB           | DS    | KINGMAX    | KFB8FNLXL-BNF-15A | -        | -       | •                             | •      | •      |
| KINGMAX  | FLFF65F-C8KM9            | 4GB           | DS    | Kingmax    | KFC8FNMXF-BXX-15A | -        | -       | •                             | •      | •      |
| Kingston | KVR1333D3N9/1G           | 1GB           | SS    | Elpida     | J1108BDSE-DJ-F    | 9        | 1.5     | •                             | •      | •      |
| Kingston | KVR1333D3N9/2G(矮版)       | 2GB           | DS    | Elpida     | J1108BDSE-DJ-F    | -        | 1.5     | •                             | •      | •      |
| Kingston | KVR1333D3N9/2G           | 2GB           | DS    | Kingston   | D1288JPNPLD9U     | 9        | 1.5     | •                             | •      | •      |
| Kingston | KHX1333C9D3UQ2/4GX(XMP)  | 4GB (2x 2GB)  | DS    | -          | -                 | 9        | 1.25    | •                             | •      | •      |
| KINGSTON | KVR1333D3N9K2/4G         | 4GB (2x 2GB)  | DS    | KINGSTON   | D1288JEMFPGD9U    | -        | 1.5     | •                             | •      | •      |
| MICRON   | MT4JTF12864AZ-1G4D1      | 1GB           | SS    | Micron     | D9LGQ             | -        | -       | •                             | •      | •      |
| MICRON   | MT8JTF12864AZ-1G4F1      | 1GB           | SS    | MICRON     | D9KPT             | 9        | -       | •                             | •      | •      |
| MICRON   | MT8JTF25664AZ-1G4D1      | 2GB           | SS    | Micron     | D9LGK             | -        | -       | •                             | •      | •      |
| MICRON   | MT8JTF25664AZ-1G4D1      | 2GB           | SS    | Micron     | D9LGK             | -        | -       | •                             | •      | •      |
| MICRON   | MT16JF25664AZ-1G4F1      | 2GB           | DS    | MICRON     | D9KPT             | 9        | -       | •                             | •      | •      |
| MICRON   | MT16JTF51264AZ-1G4D1     | 4GB           | DS    | Micron     | D9LGK             | -        | -       | •                             | •      | •      |
| OCZ      | OCZ3RPR13332GK           | 2GB (2x 1GB)  | SS    | -          | -                 | 6-6-6    | 1.75    | •                             | •      | •      |
| OCZ      | OCZ3P1333LV3GK           | 3GB(3 x 1GB)  | SS    | -          | -                 | 7-7-7    | 1.65    | •                             | •      | •      |
| OCZ      | OCZ3G1333LV4GK           | 4GB (2x 2GB)  | DS    | -          | -                 | 9-9-9    | 1.65    | •                             | •      | •      |
| OCZ      | OCZ3G1333ULV4GK          | 4GB (2x 2GB)  | DS    | -          | -                 | 8-8-8    | 1.35    | •                             | •      | •      |
| OCZ      | OCZ3P1333LV4GK           | 4GB (2x 2GB)  | DS    | -          | -                 | -        | 1.65    | •                             | •      | •      |
| OCZ      | OCZ3RPR13334GK           | 4GB (2x 2GB)  | DS    | -          | -                 | 6-6-6    | 1.75    | •                             | •      | •      |

|               |                        |              |    |           |                     |            |         |   |   |
|---------------|------------------------|--------------|----|-----------|---------------------|------------|---------|---|---|
| OCZ           | OCZ3G1333LV4GK         | 4GB(2 x 2GB) | DS | -         | -                   | 8-8-8      | 1.65    | • | • |
| OCZ           | OCZ3P1333LV4GK         | 4GB(2 x 2GB) | DS | -         | -                   | 7-7-7      | 1.65    | • | • |
| OCZ           | OCZX1333LV6GK(XMP)     | 6GB(3 x 2GB) | DS | NA        | -                   | 8-8-8      | 1.6     | • | • |
| OCZ           | OCZ3G1333LV8GK         | 8GB (2x 4GB) | DS | -         | -                   | 9-9-9      | 1.65    | • | • |
| OCZ           | OCZ3G1333LV8GK         | 8GB (2x 4GB) | DS | -         | -                   | 9-9-9      | 1.65    | • | • |
| OCZ           | OCZ3RPR1333C9LV8GK     | 8GB (2x 4GB) | DS | -         | -                   | 9-9-9      | 1.65    | • | • |
| PSC           | AL7F8G73D-DG1          | 1GB          | SS | PSC       | A3P1GF3DGF          | -          | -       | • | • |
| PSC           | PC310600U-9-10-A0      | 1GB          | SS | PSC       | A3P1GF3FGF          | -          | -       | • | • |
| PSC           | AL8F8G73D-DG1          | 2GB          | DS | PSC       | A3P1GF3DGF          | -          | -       | • | • |
| PSC           | PC310600U-9-10-B0      | 2GB          | DS | PSC       | A3P1GF3FGF          | -          | -       | • | • |
| SAMSUNG       | M378B2873EH1-CH9       | 1GB          | SS | SAMSUNG   | K4B1G0846E          | -          | -       | • | • |
| SAMSUNG       | M378B2873FH5-CH9       | 1GB          | SS | SAMSUNG   | K4B1G0846F          | -          | -       | • | • |
| SAMSUNG       | M378B573DH0-CH9        | 2GB          | SS | Samsung   | K4B2G08460          | -          | -       | • | • |
| SAMSUNG       | M378B5673EH1-CH9       | 2GB          | DS | SAMSUNG   | K4B1G0846E          | -          | -       | • | • |
| SAMSUNG       | M378B5673FH0-CH9       | 2GB          | DS | SAMSUNG   | K4B1G0846F          | -          | -       | • | • |
| SAMSUNG       | M378B5273BH1-CH9       | 4GB          | DS | SAMSUNG   | K4B2G0846B-HCH9     | 9          | -       | • | • |
| SAMSUNG       | M378B5273CH0-CH9       | 4GB          | DS | SAMSUNG   | K4B2G0846C          | K4B2G0846C | -       | • | • |
| SAMSUNG       | M378B5273DH0-CH9       | 4GB          | DS | Samsung   | K4B2G08460          | -          | -       | • | • |
| SAMSUNG       | M378B1G73AHO-CH9       | 8GB          | DS | SAMSUNG   | K4B4G0846A-HCH9     | -          | -       | • | • |
| Super Talent  | W1333UX2G8(XMP)        | 2GB(2 x 1GB) | SS | -         | -                   | 8          | 1.8     | • | • |
| ACTICA        | ACT1GHU64B8F1333S      | 1GB          | SS | Samsung   | K4B1G0846F          | -          | -       | • | • |
| ACTICA        | ACT1GHU72C8G1333S      | 1GB          | SS | Samsung   | K4B1G0846F(ECC)     | -          | -       | • | • |
| ACTICA        | ACT2GHU64B8G1333M      | 2GB          | DS | Micron    | D9KPT               | -          | -       | • | • |
| ACTICA        | ACT2GHU64B8G1333S      | 2GB          | DS | Samsung   | K4B1G0846F          | -          | -       | • | • |
| ACTICA        | ACT2GHU72D8G1333M      | 2GB          | DS | Micron    | D9KPT(ECC)          | -          | -       | • | • |
| ACTICA        | ACT2GHU72D8G1333S      | 2GB          | DS | Samsung   | K4B1G0846F(ECC)     | -          | -       | • | • |
| ACTICA        | ACT4GHU64B8H1333H      | 4GB          | DS | Hynix     | H5TQ2G83AFR         | -          | -       | • | • |
| ACTICA        | ACT4GHU72D8H1333H      | 4GB          | DS | Hynix     | H5TQ2G83AFR(ECC)    | -          | -       | • | • |
| BUFFALO       | D3U1333-1G             | 1GB          | SS | Elpida    | J1108BFBG-DJ-F      | -          | -       | • | • |
| BUFFALO       | FSH1333D3G-T3G(XMP)    | 3GB(3 x 1GB) | SS | -         | -                   | 7-7-7-20   | -       | • | • |
| BUFFALO       | D3U1333-2G             | 2GB          | DS | Elpida    | J1108BFBG-DJ-F      | -          | -       | • | • |
| BUFFALO       | D3U1333-4G             | 4GB          | DS | NANYA     | NT5CB256M8BN-CG     | -          | -       | • | • |
| EK Memory     | EKM324L28BP8-113       | 4GB(2 x 2GB) | DS | -         | -                   | 9          | -       | • | • |
| Elixir        | M2F2G64CB88B7N-CG      | 2GB          | SS | Elixir    | N2CB2G808N-CG       | -          | -       | • | • |
| Elixir        | M2F4G64CB88B5N-CG      | 4GB          | DS | Elixir    | N2CB2G808N-CG       | -          | -       | • | • |
| GoodRam       | GR1333D364L9/2G        | 2GB          | DS | Qimonda   | IDSH1G-03A1F1C-13H  | -          | -       | • | • |
| KINGTIGER     | F10DA211680            | 2GB          | DS | KINGTIGER | KTG1333PS1208NST-C9 | -          | -       | • | • |
| KINGTIGER     | KTG2G1333PG3           | 2GB          | DS | -         | -                   | -          | -       | • | • |
| Patriot       | PSD31G13332            | 1GB          | DS | Patriot   | PM64M8D3BU-15       | -          | -       | • | • |
| Patriot       | PGS34G1333LLKA         | 4GB(2 x 2GB) | DS | -         | -                   | 7-7-7-20   | 1.7     | • | • |
| Patriot       | PVS34G1333ELK          | 4GB(2 x 2GB) | DS | -         | -                   | 9-9-9-24   | 1.5     | • | • |
| Patriot       | PVS34G1333LLK          | 4GB(2 x 2GB) | DS | -         | -                   | 7-7-7-20   | 1.7     | • | • |
| PQI           | N/A                    | 2GB          | DS | PQI       | PQC32808E15R        | -          | -       | • | • |
| Silicon Power | SP001GBLTE133S01       | 1GB          | SS | NANYA     | NT5CB128M8AN-CG     | -          | -       | • | • |
| Silicon Power | SP001GBLTU133S01       | 1GB          | SS | NANYA     | NT5CB128M8AN-CG     | -          | -       | • | • |
| Silicon Power | SP002GBLTE133S01       | 2GB          | DS | NANYA     | NT5CB128M8AN-CG     | -          | -       | • | • |
| Silicon Power | SP002GBLTU133S02       | 2GB          | DS | S-POWER   | I0YT3E0             | 9          | -       | • | • |
| Team          | TXD31024M1333C7(XMP)   | 1GB          | SS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.75    | • | • |
| Team          | TXD31048M1333C7-D(XMP) | 1GB          | SS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.75    | • | • |
| Team          | TXD32048M1333C7-D(XMP) | 2GB          | DS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.5-1.6 | • | • |
| Team          | TXD32048M1333C7-D(XMP) | 2GB          | DS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.5-1.6 | • | • |
| UMAX          | E41302GP0-73BDB        | 2GB          | DS | UMAX      | U2S24D30TP-13       | -          | -       | • | • |

#### 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

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

-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.