



**Hardware System Verification (HSV)
Vertical Solutions Engineering**

**Memory Model Portfolio Catalog
MMP 18.1.0**

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| Catalog Version | Date | Comment |
|-----------------|-----------|---|
| MMP 18.1.0 | 6/29/2018 | <p>Release: MMP 18.1.0</p> <p>Add Micron OSPI mt35xu02g. Add Macronix QSPI part mx25u25645g. Both non-BETA (MR)</p> <p>Add additional Micron Octal SPI mt35xu* configurations</p> <p>Add Micron mt25q* and mt25t* (2-die) QSPI parts at BETA (IR) level</p> <p>Mark QSPI / OSPI parts to indicate if each is in release as *.vp or *.vhdp model file</p> <p>Copyright info updated</p> <p>Move Winbond x8 IO PSRAM w955d8mky part from BETA (IR) level to non-BETA (MR) level</p> <p>Expanded number of Toshiba TLC ToggleDDR2 parts</p> <p>Added JSC cellular ram OctaRAM parts jsc*ss*8agdy at BETA (IR) level</p> <p>Move Cypress HyperRAM s27k* and s70k* from BETA (IR) level to non-BETA (MR) level</p> <p>Add Winbond SPI NAND (Advanced) w25n01jw* at BETA (IR) level</p> <p>Add Winbond SPI NAND (Advanced) w25m02gw* at non-BETA (MR) level</p> <p>Add Macronix OSPI parts mx66um1g45g, mx66um2g45g (VHDL)</p> <p>Remove UFS 2.0 from Catalog. Replaced going forward by UFS 2.1 model.</p> <p>Move JSC cellular ram OctaRAM parts jsc*ss*8agdy from BETA (IR) to non-BETA (MR) level</p> <p>Move JEDEC and Samsung DDR4 LRDIMM from BETA (IR) level to non-BETA (MR) level</p> <p>Move Micron B16A & B17A Fortisflash ONFI 4.0 TLC NAND from BETA (IR) level to non-BETA (MR) level</p> <p>Move Toshiba BiCS3 TDDR2 and BiCS4 TDDR3 from BETA (IR) level to non-BETA (MR) level</p> <p>Added TDDR3.0 page; Added Product Levels page; Marked MMP_PLUS models</p> <p>Move GigaDevice SPI NAND gd5f* from BETA (IR) level to non-BETA (MR) level</p> <p>Add AP Memory DDR Octal SPI PSRAM aps*08l</p> |

Model Release Levels

Model Release Levels

All models in the Memory Model Portfolio are graded with a release level. This release level informs users of the current maturity and status of the model. All families in the library are graded at one of these levels.

The different levels give an overall indication of the amount of testing, level of quality and feature availability in the model. For details on supported features check the User Guide for that particular model family.

There are three release levels for models in the MMP release.

| Release Level | | Model Status | Available in Release | Listed in Catalog | Requires Beta Agreement |
|--------------------|----|---|----------------------|-------------------|-------------------------|
| Mainstream Release | MR | Fully released and available in the catalog for all customers to use. | Yes | Yes | No |
| Emerging Release | ER | Model has successfully completed Beta engagement(s). Most, but not all features have been tested. Documentation is available. | No | Yes | Yes |
| Initial Release | IR | Model has completed initial development and has been released to Beta customer(s). The model may have missing features, may not be fully tested, and may not have documentation. Model may contain defects. | No | Yes | Yes |

Access to Initial Release and Emerging Release versions of the models will require a Beta Agreement to be signed before the model can be delivered.

Model Product Levels

Model Product Levels

All models in the Memory Model Portfolio are assigned a product level. This product level informs users what set of models are accessible with their purchased product and licensing. The majority of models in the MMP library are available at the MMP_BASIC product level. Some advanced models with complex protocols and complex features are available only at the MMP_PLUS product level.

In this MMP Catalog, MMP_PLUS models are marked with **MMP_PLUS** in the column at the left hand side of the page. MMP_PLUS models are, like all models, assigned a release level and thus may have either a BETA or non-BETA status.

Access to MMP_BASIC models requires ACCEL_MEM_VIP licensing. Access to MMP_BASIC AND MMP_PLUS models requires ACCEL_MEM_PLUS licensing. Please see the MMP FAQ User Guide in the docs directory of the installed release of MMP 18.1.0 or later for additional details or consult with your Cadence sales representative.

SDRAM

| Manufacturer | Model Name | Size | Configuration |
|--------------|-------------|-------|--|
| Micron | | | |
| | mt48lc2m32 | 64Mb | Configuration: 2M * 32 * 4 banks - Micron 64Mb SDRAM |
| | mt48lc4m16 | 64Mb | Configuration: 4M * 16 * 4 banks - Micron 64Mb SDRAM |
| | mt48lc8m8 | 64Mb | Configuration: 8M * 8 * 4 banks - Micron 64Mb SDRAM |
| | mt48lc16m4 | 64Mb | Configuration: 16M * 4 * 4 banks - Micron 64Mb SDRAM |
| | mt48lc4m32 | 128Mb | Configuration: 4M * 32 * 4 banks - Micron 128Mb SDRAM |
| | mt48lc8m16 | 128Mb | Configuration: 8M * 16 * 4 banks - Micron 128Mb SDRAM |
| | mt48lc16m8 | 128Mb | Configuration: 16M * 8 * 4 banks - Micron 128Mb SDRAM |
| | mt48lc32m4 | 128Mb | Configuration: 32M * 4 * 4 banks - Micron 128Mb SDRAM |
| | mt48lc8m32 | 256Mb | Configuration: 8M * 32 * 4 banks - Micron 256Mb SDRAM |
| | mt48lc16m16 | 256Mb | Configuration: 16M * 16 * 4 banks - Micron 256Mb SDRAM |
| | mt48lc32m8 | 256Mb | Configuration: 32M * 8 * 4 banks - Micron 256Mb SDRAM |
| | mt48lc64m4 | 256Mb | Configuration: 64M * 4 * 4 banks - Micron 256Mb SDRAM |
| | mt48lc32m16 | 512Mb | Configuration: 32M * 16 * 4 banks - Micron 512Mb SDRAM |
| | mt48lc16m32 | 512Mb | Configuration: 16M * 32 * 4 banks - Micron 512Mb SDRAM |
| | mt48lc64m8 | 512Mb | Configuration: 64M * 8 * 4 banks - Micron 512Mb SDRAM |
| | mt48lc128m4 | 512Mb | Configuration: 32M * 4 * 4 banks - Micron 512Mb SDRAM |

DDR

| Manufacturer | Model Name | Size | Configuration |
|---------------|------------|-------|---|
| Micron | | | |
| | mt46v16m8 | 128Mb | Configuration: 4M * 8 * 4 banks - Micron 128Mb DDR SDRAM |
| | mt46v32m4 | 128Mb | Configuration: 8M * 4 * 4 banks - Micron 128Mb DDR SDRAM |
| | mt46v4m32 | 128Mb | Configuration: 1M * 32 * 4 banks - Micron 128Mb DDR SDRAM |
| | mt46v8m16 | 128Mb | Configuration: 2M * 16 * 4 banks - Micron 128Mb DDR SDRAM |
| | mt46v16m16 | 256Mb | Configuration: 4M * 16 * 4 banks - Micron 256Mb DDR SDRAM |
| | mt46v32m8 | 256Mb | Configuration: 8M * 8 * 4 banks - Micron 256Mb DDR SDRAM |
| | mt46v64m4 | 256Mb | Configuration: 16M * 4 * 4 banks - Micron 256Mb DDR SDRAM |
| | mt46v8m32 | 256Mb | Configuration: 2M * 32 * 4 banks - Micron 256Mb DDR SDRAM |
| | mt46v128m4 | 512Mb | Configuration: 32M * 4 * 4 banks - Micron 512Mb DDR SDRAM |
| | mt46v16m32 | 512Mb | Configuration: 4M * 32 * 4 banks - Micron 512Mb DDR SDRAM |
| | mt46v32m16 | 512Mb | Configuration: 8M * 16 * 4 banks - Micron 512Mb DDR SDRAM |
| | mt46v64m8 | 512Mb | Configuration: 16M * 8 * 4 banks - Micron 512Mb DDR SDRAM |
| | mt46v128m8 | 1Gb | Configuration: 32M * 8 * 4 banks - Micron 1Gb DDR SDRAM |
| | mt46v256m4 | 1Gb | Configuration: 64M * 4 * 4 banks - Micron 1Gb DDR SDRAM |
| | mt46v64m16 | 1Gb | Configuration: 16M * 16 * 4 banks - Micron 1Gb DDR SDRAM |
| | mt46v32m32 | 1Gb | Configuration: 32M * 32 * 4 banks - Micron 1Gb DDR SDRAM |

DDR2

| Manufacturer | Model Name | Size | Configuration |
|--------------------------------|-----------------------|----------------|--|
| Micron | | | |
| | mt47h16m16 | 256Mb | Configuration: 4M * 16 * 4 banks - Micron 256Mb DDR2 SDRAM |
| | mt47h32m8 | 256Mb | Configuration: 8M * 8 * 4 banks - Micron 256Mb DDR2 SDRAM |
| | mt47h64m4 | 256Mb | Configuration: 16M * 4 * 4 banks - Micron 256Mb DDR2 SDRAM |
| | mt47h128m4 | 512Mb | Configuration: 32M x 4 x 4 Banks- Micron 512Mb DDR2 SDRAM |
| | mt47h32m16 | 512Mb | Configuration: 8M * 16 * 4 banks - Micron 512Mb DDR2 SDRAM |
| | mt47h64m8 | 512Mb | Configuration: 16M * 8 * 4 banks - Micron 512Mb DDR2 SDRAM |
| | mt47h128m8 | 1Gb | Configuration: 16M * 8 * 8 banks - Micron 1Gb DDR2 SDRAM |
| | mt47h256m4 | 1Gb | Configuration: 32M * 4 * 8 banks - Micron 1Gb DDR2 SDRAM |
| | mt47h32m32 | 1Gb | Configuration: 8M * 32 * 4 banks - Micron 1Gb DDR2 SDRAM |
| | mt47h64m16 | 1Gb | Configuration: 8M * 16 * 8 banks - Micron 1Gb DDR2 SDRAM |
| | mt47h128m16 | 2Gb | Configuration: 16M * 16 * 8 banks - Micron 2Gb DDR2 SDRAM |
| | mt47h256m8 | 2Gb | Configuration: 32M * 8 * 8 banks - Micron 2Gb DDR2 SDRAM |
| | mt47h32m64 | 2Gb | Configuration: 8M * 64 * 4 banks - Micron 2Gb DDR2 SDRAM |
| | mt47h512m4 | 2Gb | Configuration: 64M * 4 * 8 banks - Micron 2Gb DDR2 SDRAM |
| Micron DIMM models | | | |
| | mt8htf6464a_udimm | 512MB DIMM | Configuration: 1 Rank * 8M * 64 * 8 banks - Micron 512MB DDR2 DIMM |
| | mt8htf12864a_udimm | 1GB DIMM | Configuration: 1 Rank * 16M * 64 * 8 banks - Micron 1GB DDR2 DIMM |
| | mt8htf25664a_udimm | 2GB DIMM | Configuration: 1 Rank * 32M * 64 * 8 Banks - Micron 2GB DDR2 DIMM |
| | mt9htf6472a_udimm | 512MB ECC DIMM | Configuration: 1 Rank * 8M * 72 * 8 banks - Micron 512MB DDR2 DIMM |
| | mt9htf12872a_udimm | 1GB ECC DIMM | Configuration: 1 Rank * 16M * 72 * 8 banks - Micron 1GB DDR2 DIMM |
| | mt9htf25672a_udimm | 2GB ECC DIMM | Configuration: 1 Rank * 32M * 72 * 8 banks - Micron 2GB DDR2 DIMM |
| | mt16htf25664a_udimm | 2GB DIMM | Configuration: 2 Rank * 16M * 64 * 8 banks - Micron 1GB DDR2 DIMM |
| | mt16htf51264a_udimm | 4GB DIMM | Configuration: 2 Rank * 32M * 64 * 8 banks - Micron 2GB DDR2 DIMM |
| | mt18htf12872a_udimm | 1GB ECC DIMM | Configuration: 2 Rank * 8M * 72 * 8 banks - Micron 512MB DDR2 DIMM |
| | mt18htf25672a_udimm | 2GB ECC DIMM | Configuration: 2 Rank * 16M * 72 * 8 banks - Micron 1GB DDR2 DIMM |
| | mt18htf51272a_udimm | 4GB ECC DIMM | Configuration: 2 Rank * 32M * 72 * 8 banks - Micron 2GB DDR2 DIMM |
| Micron Fake DIMM models | | | |
| | mt47h32m64_fake_dimm | 256MB DIMM | Configuration: 8M * 64 * 4 banks - Micron 256MB DDR2 FAKE DIMM |
| | mt47h32m72_fake_dimm | 256MB DIMM | Configuration: 8M * 72 * 4 banks - Micron 256MB DDR2 FAKE DIMM |
| | mt47h64m64_fake_dimm | 512MB DIMM | Configuration: 8M * 64 * 8 banks - Micron 512MB DDR2 FAKE DIMM |
| | mt47h64m72_fake_dimm | 512MB DIMM | Configuration: 8M * 72 * 8 banks - Micron 512MB DDR2 FAKE DIMM |
| | mt47h128m64_fake_dimm | 1GB DIMM | Configuration: 16M * 64 * 8 banks - Micron 1GB DDR2 FAKE DIMM |
| | mt47h128m72_fake_dimm | 1GB DIMM | Configuration: 16M * 72 * 8 banks - Micron 1GB DDR2 FAKE DIMM |
| | mt47h256m64_fake_dimm | 2GB DIMM | Configuration: 32M * 64 * 8 banks - Micron 2 GB DDR2 FAKE DIMM |
| | mt47h256m72_fake_dimm | 2GB DIMM | Configuration: 32M * 72 * 8 banks - Micron 2 GB DDR2 FAKE DIMM |
| Hynix | | | |
| | hy5ps1g431c | 1Gb | Configuration: 32M * 4 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | hy5ps1g831c | 1Gb | Configuration: 16M * 8 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | hy5ps1g1631c | 1Gb | Configuration: 8M * 16 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | h5ps1g43 | 1Gb | Configuration: 32M * 4 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | h5ps1g83 | 1Gb | Configuration: 16M * 8 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | h5ps1g63 | 1Gb | Configuration: 8M * 16 * 8 banks - Hynix 1Gb DDR2 SDRAM |
| | h5ps2g43 | 2Gb | Configuration: 64M * 4 * 8 banks - Hynix 2Gb DDR2 SDRAM |
| | h5ps2g83 | 2Gb | Configuration: 32M * 8 * 8 banks - Hynix 2Gb DDR2 SDRAM |
| | h5ps2g63 | 2Gb | Configuration: 16M * 16 * 8 banks - Hynix 2Gb DDR2 SDRAM |
| Samsung | | | |
| | k4t51043 | 512Mb | Configuration: 32M * 4 * 4 banks - Samsung 512Mb DDR2 SDRAM |
| | k4t51083 | 512Mb | Configuration: 16M * 8 * 4 banks - Samsung 512Mb DDR2 SDRAM |
| | k4t51163 | 512Mb | Configuration: 8M * 16 * 4 banks - Samsung 512Mb DDR2 SDRAM |
| | k4t1g044 | 1Gb | Configuration: 32M * 4 * 8 banks - Samsung 1Gb DDR2 SDRAM |
| | k4t1g084 | 1Gb | Configuration: 16M * 8 * 8 banks - Samsung 1Gb DDR2 SDRAM |
| | k4t1g164 | 1Gb | Configuration: 8M * 16 * 8 banks - Samsung 1Gb DDR2 SDRAM |
| | k4t2g044 | 2Gb | Configuration: 64M * 4 * 8 banks - Samsung 2Gb DDR2 SDRAM |
| | k4t2g084 | 2Gb | Configuration: 32M * 8 * 8 banks - Samsung 2Gb DDR2 SDRAM |
| | k4t2g164 | 2Gb | Configuration: 16M * 16 * 8 banks - Samsung 2Gb DDR2 SDRAM |

DDR3

| Manufacturer | Model Name | Size | Configuration |
|----------------------------------|----------------|-------|---|
| Elpida | | | |
| | edj5308 | 512Mb | Configuration: 8M * 8 * 8 banks - Elpida 512Mb DDR3 SDRAM |
| | edj5316 | 512Mb | Configuration: 4M * 16 * 8 banks - Elpida 512Mb DDR3 SDRAM |
| | edj1104 | 1Gb | Configuration: 32M * 4 * 8 banks - Elpida 1Gb DDR3 SDRAM |
| | edj1108 | 1Gb | Configuration: 16M * 8 * 8 banks - Elpida 1Gb DDR3 SDRAM |
| | edj1116 | 1Gb | Configuration: 8M * 16 * 8 banks - Elpida 1Gb DDR3 SDRAM |
| | edj2104 | 2Gb | Configuration: 64M * 4 * 8 banks - Elpida 2Gb DDR3 SDRAM |
| | edj2108 | 2Gb | Configuration: 32M * 8 * 8 banks - Elpida 2Gb DDR3 SDRAM |
| | edj4204 | 4Gb | Configuration: 128M * 4 * 8 banks - Elpida 4Gb DDR3 SDRAM |
| | edj4208 | 4Gb | Configuration: 64M * 8 * 8 banks - Elpida 4Gb DDR3 SDRAM |
| | edj4216 | 4Gb | Configuration: 32M * 16 * 8 banks - Elpida 4Gb DDR3 SDRAM |
| | edj8216 | 8Gb | Configuration: 64M * 16 * 8 banks - Elpida 8Gb DDR3 SDRAM - Not a real part |
| Samsung | | | |
| | k4w2g1646b | 2Gb | Configuration: 16M * 16 * 8 banks - Samsung 2Gb gDDR3 SDRAM |
| | k4b1g0446d | 1Gb | Configuration: 32M * 4 * 8 banks - Samsung 1Gb DDR3 SDRAM |
| | k4b1g0846b | 1Gb | Configuration: 16M * 8 * 8 banks - Samsung 1Gb DDR3 SDRAM |
| | k4b1g1646b | 1Gb | Configuration: 8M * 16 * 8 banks - Samsung 1Gb DDR3 SDRAM |
| | k4b2g0446d | 2Gb | Configuration: 64M * 4 * 8 banks - Samsung 2Gb DDR3 SDRAM |
| | k4b2g0846b | 2Gb | Configuration: 32M * 8 * 8 banks - Samsung 2Gb DDR3 SDRAM |
| | k4b2g1646b | 2Gb | Configuration: 16M * 16 * 8 banks - Samsung 2Gb DDR3 SDRAM |
| | k4b4g0446d | 4Gb | Configuration: 128M * 4 * 8 banks - Samsung 4Gb DDR3 SDRAM |
| | k4b4g0846b | 4Gb | Configuration: 64M * 8 * 8 banks - Samsung 4Gb DDR3 SDRAM |
| | k4b4g1646b | 4Gb | Configuration: 32M * 16 * 8 banks - Samsung 4Gb DDR3 SDRAM |
| Micron | | | |
| | mt41j128m4 | 512Mb | Configuration: 16M * 4 * 8 banks - Micron 512Mb DDR3 SDRAM |
| | mt41j64m8 | 512Mb | Configuration: 8M * 8 * 8 banks - Micron 512Mb DDR3 SDRAM |
| | mt41j128m8 | 1Gb | Configuration: 16M * 8 * 8 banks - Micron 1Gb DDR3 SDRAM |
| | mt41j256m4 | 1Gb | Configuration: 32M * 4 * 8 banks - Micron 1Gb DDR3 SDRAM |
| | mt41j64m16 | 1Gb | Configuration: 8M * 16 * 8 banks - Micron 1Gb DDR3 SDRAM |
| | mt41k128m8 | 1Gb | Configuration: 16M * 8 * 8 banks - Micron 1Gb 1.35V DDR3L SDRAM |
| | mt41k256m4 | 1Gb | Configuration: 32M * 4 * 8 banks - Micron 1Gb 1.35V DDR3L SDRAM |
| | mt41j128m16 | 2Gb | Configuration: 16M * 16 * 8 banks - Micron 2Gb DDR3 SDRAM |
| | mt41j256m8 | 2Gb | Configuration: 32M * 8 * 8 banks - Micron 2Gb DDR3 SDRAM |
| | mt41k128m16 | 2Gb | Configuration: 16M * 16 * 8 banks - Micron 2Gb DDR3L SDRAM |
| | mt41j512m4 | 2Gb | Configuration: 64M * 4 * 8 banks - Micron 2Gb DDR3 SDRAM |
| | mt41j1g4 | 4Gb | Configuration: 128M * 4 * 8 banks - Micron 4Gb DDR3 SDRAM |
| | mt41j512m8 | 4Gb | Configuration: 64M * 8 * 8 banks - Micron 4Gb DDR3 SDRAM |
| | mt41j256m16 | 4Gb | Configuration: 32M * 16 * 8 banks - Micron 4Gb DDR3 SDRAM |
| | mt41k256m16 | 4Gb | Configuration: 32M * 16 * 8 banks - Micron 4Gb DDR3L SDRAM |
| | mt41k512m16 | 8Gb | Configuration: 64M * 16 * 8 banks - Micron 8Gb DDR3L SDRAM |
| | mt41k1g8 | 8Gb | Configuration: 128M * 8 * 8 banks - Micron 8Gb DDR3L SDRAM |
| | mt41k2g4 | 8Gb | Configuration: 256M * 4 * 8 banks - Micron 8Gb DDR3L SDRAM |
| Micron Multi-Die Wrappers | | | |
| | mt41j512m8_td | 4Gb | Configuration: 2 Ranks * 32M * 8 * 8 banks - Micron 4Gb TwinDie DDR3 SDRAM |
| | mt41k512m16_td | 8Gb | Configuration: 2 Ranks * 32M * 8 * 16 banks - Micron 4Gb TwinDie DDR3 SDRAM |
| | mt41j1g4_td | 4Gb | Configuration: 2 Ranks * 64M * 4 * 8 banks - Micron 4Gb TwinDie DDR3 SDRAM |
| | mt41j1g8_td | 8Gb | Configuration: 4 Ranks * 32M * 8 * 8 banks - Micron 8Gb TwnDie DDR3 SDRAM |
| | mt41j2g4_td | 8Gb | Configuration: 4 Ranks * 64M * 4 * 8 banks - Micron 8Gb TwinDie DDR3 SDRAM |

DDR3 (continued)

| Manufacturer | Model Name | Size | Configuration |
|--------------|-------------|------|---|
| Hynix | | | |
| | h5tc1g43tfr | 1Gb | Configuration: 32M * 4 * 8 banks - Hynix 1Gb DDR3 SDRAM |
| | h5tc1g83tfr | 1Gb | Configuration: 16M * 8 * 8 banks - Hynix 1Gb DDR3 SDRAM |
| | h5tc2g43bfr | 2Gb | Configuration: 64M * 4 * 8 banks - Hynix 2Gb DDR3 SDRAM |
| | h5tc2g83bfr | 2Gb | Configuration: 32M * 8 * 8 banks - Hynix 2Gb DDR3 SDRAM |
| | h5tq1g43tfr | 1Gb | Configuration: 32M * 4 * 8 banks - Hynix LV 1Gb DDR3 SDRAM |
| | h5tq1g83tfr | 1Gb | Configuration: 16M * 8 * 8 banks - Hynix LV 1Gb DDR3 SDRAM |
| | h5tq2g43bfr | 2Gb | Configuration: 64M * 4 * 8 banks - Hynix LV 2Gb DDR3 SDRAM |
| | h5tq2g83bfr | 2Gb | Configuration: 32M * 8 * 8 banks - Hynix LV 2Gb DDR3 SDRAM |
| | h5tq2g63bfr | 2Gb | Configuration: 16M * 16 * 8 banks - Hynix LV 2Gb DDR3 SDRAM |
| | h5tc4g43afr | 4Gb | Configuration: 128M * 4 * 8 banks - Hynix 4Gb DDR3 SDRAM |
| | h5tc4g63afr | 4Gb | Configuration: 32M * 16 * 8 banks - Hynix 4Gb DDR3 SDRAM |
| | h5tc4g83afr | 4Gb | Configuration: 64M * 8 * 8 banks - Hynix 4Gb DDR3 SDRAM |

DDR3 UDIMM

| Manufacturer | Model Name | Size | Configuration |
|---------------|----------------------|------|--|
| Micron | | | |
| 1 Rank | | | |
| | mt8ktf12864az_udimm | 1GB | Config: Micron 1GB DDR3 UDIMM 16M x 64 x 8 Banks x 1 Rank |
| | mt8jtf12864az_udimm | 1GB | Config: Micron 1GB DDR3 UDIMM 16M x 64 x 8 Banks x 1 Rank |
| | mt9jsf12872az_udimm | 1GB | Config: Micron 1GB DDR3 UDIMM 16M x 72 x 8 Banks x 1 Rank |
| | mt4jtf12864az_udimm | 1GB | Config: Micron 1GB DDR3 UDIMM 16M x 64 x 8 Banks x 1 Rank |
| | mt8jtf25664az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 64 x 8 Banks x 1 Rank |
| | mt4jtf25664az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 64 x 8 Banks x 1 Rank |
| | mt8ktf25664az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 64 x 8 Banks x 1 Rank |
| | mt4ktf25664az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 64 x 8 Banks x 1 Rank |
| | mt9ksf25672az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 72 x 8 Banks x 1 Rank |
| | mt9jsf25672az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 32M x 72 x 8 Banks x 1 Rank |
| | mt8ktf51264az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 64M x 64 x 8 Banks x 1 Rank |
| | mt8jtf51264az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 64M x 64 x 8 Banks x 1 Rank |
| 2 Ranks | | | |
| | mt16jtf25664az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 16M x 64 x 8 Banks x 2 Ranks |
| | mt18jsf25672az_udimm | 2GB | Config: Micron 2GB DDR3 UDIMM 16M x 72 x 8 Banks x 2 Ranks |
| | mt16ktf51264az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 32M x 64 x 8 Banks x 2 Ranks |
| | mt16jtf51264az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 32M x 64 x 8 Banks x 2 Ranks |
| | mt18ksf51272az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 32M x 72 x 8 Banks x 2 Ranks |
| | mt18jsf51272az_udimm | 4GB | Config: Micron 4GB DDR3 UDIMM 32M x 72 x 8 Banks x 2 Ranks |
| | mt16ktf1g64az_udimm | 8GB | Config: Micron 8GB DDR3 UDIMM 64M x 64 x 8 Banks x 2 Ranks |
| | mt16jtf1g64az_udimm | 8GB | Config: Micron 8GB DDR3 UDIMM 64M x 64 x 8 Banks x 2 Ranks |
| | mt18ksf1g72az_udimm | 8GB | Config: Micron 8GB DDR3 UDIMM 64M x 72 x 8 Banks x 2 Ranks |
| | mt18jsf1g72az_udimm | 8GB | Config: Micron 8GB DDR3 UDIMM 64M x 72 x 8 Banks x 2 Ranks |
| | mt18kdf1g72az_udimm | 8GB | Config: Micron 8GB DDR3 UDIMM 64M x 72 x 8 Banks x 2 Ranks |

DDR3 RDIMM

| Manufacturer | Model Name | Size | Configuration |
|--------------------------------|-----------------------|------|--|
| Micron | | | |
| 1 Rank | mt9jsf12872pz_rdimm | 1GB | Config: Micron 1GB DDR3 RDIMM 16M x 72 x 8 banks x 1 rank |
| | mt9jsf25672pz_rdimm | 2GB | Config: Micron 2GB DDR3 RDIMM 32M x 72 x 8 banks x 1 rank |
| | mt9ksf25672pz_rdimm | 2GB | Config: Micron 2GB DDR3 RDIMM 32M x 72 x 8 banks x 1 rank |
| | mt9kdf25672pz_rdimm | 2GB | Config: Micron 2GB DDR3 RDIMM 32M x 72 x 8 banks x 1 rank |
| | mt9jsf51272pz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 64M x 72 x 8 banks x 1 rank |
| | mt9ksf51272pz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 64M x 72 x 8 banks x 1 rank |
| | mt18jsf51272pz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 64M x 72 x 8 banks x 1 rank |
| | mt18ksf51272pz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 64M x 72 x 8 banks x 1 rank |
| | mt18jsf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 128M x 72 x 8 banks x 1 rank |
| 2 Ranks | mt18ksf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 128M x 72 x 8 banks x 1 rank |
| | mt18jsf25672pdz_rdimm | 2GB | Config: Micron 2GB DDR3 RDIMM 16M x 72 x 8 banks x 2 ranks |
| | mt18jsf51272pdz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 32M x 72 x 8 banks x 2 ranks |
| | mt18ksf51272pdz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 32M x 72 x 8 banks x 2 ranks |
| | mt18kdf51272pdz_rdimm | 4GB | Config: Micron 4GB DDR3 RDIMM 32M x 72 x 8 banks x 2 ranks |
| | mt18jsf1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt18ksf1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt36jsf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt36ksf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt36jszf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt36kszf1g72pz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 64M x 72 x 8 banks x 2 ranks |
| | mt36jsf2g72pz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 128M x 72 x 8 banks x 2 ranks |
| | mt36ksf2g72pz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 128M x 72 x 8 banks x 2 ranks |
| | mt36msf2g72pz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 128M x 72 x 8 Banks x 2 ranks |
| | mt36jsf1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 32M x 72 x 8 banks x 4 ranks |
| 4 Ranks | mt36jszf1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 32M x 72 x 8 banks x 4 ranks |
| | mt36ksf1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 32M x 72 x 8 banks x 4 ranks |
| | mt36jds1g72pdz_rdimm | 8GB | Config: Micron 8GB DDR3 RDIMM 32M x 72 x 8 banks x 4 ranks |
| | mt36ksf2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72jdzq2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72jss2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72jszs2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72kss2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72kszs2g72pdz_rdimm | 16GB | Config: Micron 16GB DDR3 RDIMM 64M x 72 x 8 banks x 4 ranks |
| | mt72jszs4g72pdz_rdimm | 32GB | Config: Micron 32GB DDR3 RDIMM 128M x 72 x 8 banks x 4 ranks |
| | mt72kszs4g72pdz_rdimm | 32GB | Config: Micron 32GB DDR3 RDIMM 128M x 72 x 8 banks x 4 ranks |
| | mt72kgf4g72pdz_rdimm | 32GB | Config: Micron 32GB DDR3 RDIMM 128M x 72 x 8 banks x 4 ranks |
| | | | |
| Elpida Fake DIMM Models | | | |
| | edj5308_dimm | 4Gb | Configuration: 8M * 72 * 8 banks - Elpida 64Mx72 DDR3 DIMM |
| | edj5308_dimm_spd | 4Gb | Configuration: 8M * 72 * 8 banks - Elpida 64Mx72 DDR3 DIMM with SPD EPROM |
| | edj1108_dimm | 8Gb | Configuration: 16M * 72 * 8 banks - Elpida 1GB DDR3 DIMM |
| | edj1108_reg_dimm | 8Gb | Configuration: 16M * 72 * 8 banks - Elpida 1GB DDR3 Registered DIMM |
| | ebj21ee8bafa | 16Gb | Configuration: 16M * 72 * 8 banks * 2 ranks – Elpida 2GB DDR3 DIMM with SPD EEPROM |
| | edj2108_dimm | 16Gb | Configuration: 32M * 72 * 8 banks – Elpida 2GB DDR3 DIMM |

MRAM

| Manufacturer | Model Name | Size | Configuration |
|--------------|-------------|-------|--|
| Everspin | | | |
| | emd3d064m04 | 64 Mb | Configuration: 64Mb (16Mb x 4) - Everspin MRAM |
| | emd3d064m08 | 64 Mb | Configuration: 64Mb (8Mb x 8) - Everspin MRAM |
| | emd3d064m16 | 64 Mb | Configuration: 64Mb (4Mb x 16) - Everspin MRAM |

DDR4

| Manufacturer | Model Name | Size | Configuration |
|--------------|--------------------|------|--|
| JEDEC | | | |
| | jedec_ddr4_2gb_4 | 2Gb | Configuration : 32M x 4 x 4 Banks x 4 Groups - JEDEC 2Gb DDR4 SDRAM |
| | jedec_ddr4_2gb_8 | 2Gb | Configuration : 16M x 8x 4 Banks x 4 Groups - JEDEC 2Gb DDR4 SDRAM |
| | jedec_ddr4_2gb_16 | 2Gb | Configuration : 16M x 16 x 4 Banks x 2 Groups - JEDEC 2Gb DDR4 SDRAM |
| | jedec_ddr4_4gb_4 | 4Gb | Configuration : 64M x 4 x 4 Banks x 4 Groups - JEDEC 4Gb DDR4 SDRAM |
| | jedec_ddr4_4gb_8 | 4Gb | Configuration : 32M x 8x 4 Banks x 4 Groups - JEDEC 4Gb DDR4 SDRAM |
| | jedec_ddr4_4gb_16 | 4Gb | Configuration : 32M x 16 x 4 Banks x 2 Groups - JEDEC 4Gb DDR4 SDRAM |
| | jedec_ddr4_8gb_4 | 8Gb | Configuration : 128M x 4 x 4 Banks x 4 Groups - JEDEC 8Gb DDR4 SDRAM |
| | jedec_ddr4_8gb_8 | 8Gb | Configuration : 64M x 8x 4 Banks x 4 Groups - JEDEC 8Gb DDR4 SDRAM |
| | jedec_ddr4_8gb_16 | 8Gb | Configuration : 64M x 16 x 4 Banks x 2 Groups - JEDEC 8Gb DDR4 SDRAM |
| | jedec_ddr4_16gb_4 | 16Gb | Configuration : 256M x 4x 4 Banks x 4 Groups - JEDEC 16Gb DDR4 SDRAM |
| | jedec_ddr4_16gb_8 | 16Gb | Configuration : 128M x 8x 4 Banks x 4 Groups - JEDEC 16Gb DDR4 SDRAM |
| | jedec_ddr4_16gb_16 | 16Gb | Configuration : 128M x 16 x 4 Banks x 2 Groups - JEDEC 16Gb DDR4 SDRAM |

| | | | |
|----------------|------------|-----|--|
| Samsung | | | |
| | k4a4g045wd | 4Gb | Config: 64M * 4 * 4 banks * 4 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a4g085wd | 4Gb | Config: 32M * 8 * 4 banks * 4 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a4g165wd | 4Gb | Config: 32M * 16 * 4 banks * 2 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a4g045we | 4Gb | Config: 64M * 4 * 4 banks * 4 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a4g085we | 4Gb | Config: 32M * 8 * 4 banks * 4 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a4g165we | 4Gb | Config: 32M * 16 * 4 banks * 2 groups - Samsung 4Gb DDR4 SDRAM |
| | k4a8g045wb | 8Gb | Config: 128M * 4 * 4 banks * 4 groups - Samsung 8Gb DDR4 SDRAM |
| | k4a8g085wb | 8Gb | Config: 64M * 8 * 4 banks * 4 groups - Samsung 8Gb DDR4 SDRAM |
| | k4a8g165wb | 8Gb | Config: 64M * 16 * 4 banks * 2 groups - Samsung 8Gb DDR4 SDRAM |

| | | | |
|---------------|-------------|------|---|
| Micron | | | |
| | mt40a1g4 | 4Gb | Config: 64M * 4 * 4 banks * 4 groups - Micron 4Gb DDR4 SDRAM |
| | mt40a512m8 | 4Gb | Config: 32M * 8 * 4 banks * 4 groups - Micron 4Gb DDR4 SDRAM |
| | mt40a256m16 | 4Gb | Config: 32M * 16 * 4 banks * 2 groups - Micron 4Gb DDR4 SDRAM |
| | mt40a2g4 | 8Gb | Config: 128M * 4 * 4 banks * 4 groups - Micron 8Gb DDR4 SDRAM |
| | mt40a1g8 | 8Gb | Config: 64M * 8 * 4 banks * 4 groups - Micron 8Gb DDR4 SDRAM |
| | mt40a512m16 | 8Gb | Config: 64M * 16 * 4 banks * 2 groups - Micron 8Gb DDR4 SDRAM |
| | mt40a4g4 | 16Gb | Config: 128M * 4 * 16 banks * 2 ranks - Micron 16Gb 3DS 2H DDR4 SDRAM |
| | mt40a8g4 | 32Gb | Config: 128M * 4 * 16 banks * 4 ranks - Micron 32Gb 3DS 4H DDR4 SDRAM |
| | mt40a2g8 | 16Gb | Config: 64M * 8 * 16 banks * 2 ranks - Micron 16Gb 3DS 2H DDR4 SDRAM |
| | mt40a4g8 | 32Gb | Config: 64M * 8 * 16 banks * 4 ranks - Micron 32Gb 3DS 4H DDR4 SDRAM |

DDR4 DIMM

| Manufacturer | Model Name | Size | Configuration |
|---------------|-----------------|------|---|
| Micron | | | |
| | mta9asf51272az | 4GB | Config: Micron 4GB DDR4 UDIMM 32M x 72 x 16 banks x 1 rank |
| | mta4atf25664az | 2GB | Config: Micron 2GB DDR4 SDRAM UDIMM 32M * 64 * 4 banks * 2 groups |
| | mta4atf51264az | 4GB | Config: Micron 4GB DDR4 SDRAM UDIMM 64M * 64 * 4 banks * 2 groups |
| | mta8atf51264az | 4GB | Config: Micron 4GB DDR4 SDRAM UDIMM 32M * 64 * 4 banks * 4 groups |
| | mta8atf1g64az | 8GB | Config: Micron 8GB DDR4 SDRAM UDIMM 64M * 64 * 4 banks * 4 groups |
| | mta16atf1g64az | 8GB | Config: Micron 8GB DDR4 SDRAM UDIMM 32M * 64 * 4 banks * 4 groups * 2 ranks |
| | mta18asf2g72az | 16GB | Config: Micron 16GB DDR4 SDRAM UDIMM 64M * 72 * 4 banks * 4 groups * 2 ranks |
| | mta16atf2g64az | 16GB | Config: Micron 16GB DDR4 SDRAM UDIMM 64M * 64 * 4 banks * 4 groups * 2 ranks |
| | mta9asf51272pz | 4GB | Config: Micron 4GB DDR4 RDIMM 32M x 72 x 16 banks x 1 rank |
| | mta18asf1g72pz | 8GB | Config: Micron 8GB DDR4 RDIMM 64M x 72 x 16 banks x 1 rank |
| | mta36asf2g72pz | 16GB | Config: Micron 16GB DDR4 RDIMM 64M x 72 x 16 banks x 2 ranks |
| | mta18adf1g72pz | 8GB | Config: Micron 8GB DDR4 SDRAM RDIMM 64M * 72 * 4 banks * 4 groups |
| | mta18asf1g72pdz | 8GB | Config: Micron 8GB DDR4 SDRAM RDIMM 32M * 72 * 4 banks * 4 groups * 2 ranks |
| | mta18adf2g72pz | 16GB | Config: Micron 16GB DDR4 SDRAM RDIMM 128M * 72 * 4 banks * 4 groups |
| | mta18asf2g72pz | 16GB | Config: Micron 16GB DDR4 SDRAM RDIMM 128M * 72 * 4 banks * 4 groups |
| | mta18asf2g72pdz | 16GB | Config: Micron 16GB DDR4 SDRAM RDIMM 64M * 72 * 4 banks * 4 groups * 2 ranks |
| | mta36ads4g72pz | 32GB | Config: Micron 32GB DDR4 SDRAM RDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks |
| | mta36asf4g72pz | 32GB | Config: Micron 32GB DDR4 SDRAM RDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks |

JEDEC

| | | |
|-----------------------------|------|--|
| jedec_ddr4_2GB_72_rdimm | 2GB | Config: JEDEC 2GB DDR4 RDIMM 16M * 72 * 16 banks * 1 rank |
| jedec_ddr4_2GB_72_udimm | 2GB | Config: JEDEC 2GB DDR4 UDIMM 16M * 72 * 16 banks * 1 rank |
| jedec_ddr4_2GB_64_rdimm | 2GB | Config: JEDEC 2GB DDR4 RDIMM 16M * 64 * 16 banks * 1 rank |
| jedec_ddr4_2GB_64_udimm | 2GB | Config: JEDEC 2GB DDR4 UDIMM 16M * 64 * 16 banks * 1 rank |
| jedec_ddr4_4GB_72_rdimm | 4GB | Config: JEDEC 4GB DDR4 RDIMM 32M * 72 * 16 banks * 1 rank |
| jedec_ddr4_4GB_72_udimm | 4GB | Config: JEDEC 4GB DDR4 UDIMM 32M * 72 * 16 banks * 1 rank |
| jedec_ddr4_4GB_64_rdimm | 4GB | Config: JEDEC 4GB DDR4 RDIMM 32M * 64 * 16 banks * 1 rank |
| jedec_ddr4_4GB_64_udimm | 4GB | Config: JEDEC 4GB DDR4 UDIMM 32M * 64 * 16 banks * 1 rank |
| jedec_ddr4_8GB_72_rdimm | 8GB | Config: JEDEC 8GB DDR4 RDIMM 64M * 72 * 16 banks * 1 rank |
| jedec_ddr4_8GB_72_udimm | 8GB | Config: JEDEC 8GB DDR4 UDIMM 64M * 72 * 16 banks * 1 rank |
| jedec_ddr4_8GB_64_rdimm | 8GB | Config: JEDEC 8GB DDR4 RDIMM 64M * 64 * 16 banks * 1 rank |
| jedec_ddr4_8GB_64_udimm | 8GB | Config: JEDEC 8GB DDR4 UDIMM 64M * 64 * 16 banks * 1 rank |
| jedec_ddr4_16GB_72_rdimm | 16GB | Config: JEDEC 16GB DDR4 RDIMM 128M * 72 * 16 banks * 1 rank |
| jedec_ddr4_16GB_72_udimm | 16GB | Config: JEDEC 16GB DDR4 UDIMM 128M * 72 * 16 banks * 1 rank |
| jedec_ddr4_16GB_64_rdimm | 16GB | Config: JEDEC 16GB DDR4 RDIMM 128M * 64 * 16 banks * 1 rank |
| jedec_ddr4_16GB_64_udimm | 16GB | Config: JEDEC 16GB DDR4 UDIMM 128M * 64 * 16 banks * 1 rank |
| jedec_ddr4_16GB_2r_64_rdimm | 16GB | Config: JEDEC 16GB DDR4 RDIMM 64M * 64 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_16GB_2r_64_udimm | 16GB | Config: JEDEC 16GB DDR4 UDIMM 64M * 64 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_16GB_2r_72_rdimm | 16GB | Config: JEDEC 16GB DDR4 RDIMM 64M * 72 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_16GB_2r_72_udimm | 16GB | Config: JEDEC 16GB DDR4 UDIMM 64M * 72 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_32GB_2r_64_rdimm | 32GB | Config: JEDEC 32GB DDR4 RDIMM 128M * 64 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_32GB_2r_64_udimm | 32GB | Config: JEDEC 32GB DDR4 UDIMM 128M * 64 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_32GB_2r_72_rdimm | 32GB | Config: JEDEC 32GB DDR4 RDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks |
| jedec_ddr4_32GB_2r_72_udimm | 32GB | Config: JEDEC 32GB DDR4 UDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks |

DDR4 DIMM

| Manufacturer | Model Name | Size | Configuration |
|----------------|--------------|-------|--|
| Samsung | | | |
| | m378a5644eb0 | 2GB | Config: 16M * 64 * 4 banks * 4 groups - Samsung 2GB DDR4 SDRAM UDIMM |
| | m471a5644eb0 | 2GB | Config: 16M * 64 * 4 banks * 4 groups - Samsung 2GB DDR4 SDRAM UDIMM |
| | m378a5143db0 | 4GB | Config: 32M * 64 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m378a5143eb1 | 4GB | Config: 32M * 64 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m391a5143eb1 | 4GB | Config: 32M * 72 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m471a5143db0 | 4GB | Config: 32M * 64 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m471a5143eb0 | 4GB | Config: 32M * 64 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m471a5143eb1 | 4GB | Config: 32M * 64 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM UDIMM |
| | m378a1k43bb1 | 8GB | Config: 64M * 64 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM UDIMM |
| | m471a1k43bb0 | 8GB | Config: 64M * 64 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM UDIMM |
| | m471a1k43bb1 | 8GB | Config: 64M * 64 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM UDIMM |
| | m378a1g43db0 | 8GB | Config: 32M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m378a1g43eb1 | 8GB | Config: 32M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m391a1g43db0 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m391a1g43db1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m391a1g43eb1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m471a1g43db0 | 8GB | Config: 32M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m471a1g43eb1 | 8GB | Config: 32M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m474a1g43db0 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m474a1g43db1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m474a1g43eb1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM UDIMM |
| | m378a2k43bb1 | 16GB | Config: 64M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM UDIMM |
| | m391a2k43bb1 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM UDIMM |
| | m471a2k43bb1 | 16GB | Config: 64M * 64 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM UDIMM |
| | m474a2k43bb1 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM UDIMM |
| | m393a5143db0 | 4GB | Config: 32M * 72 * 4 banks * 4 groups - Samsung 4GB DDR4 SDRAM RDIMM |
| | m393a1g40db0 | 8GB | Config: 64M * 72 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1g40db1 | 8GB | Config: 64M * 72 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1g40eb1 | 8GB | Config: 64M * 72 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1g43db0 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1g43db1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1g43eb1 | 8GB | Config: 32M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 8GB DDR4 SDRAM RDIMM |
| | m393a1k43bb0 | 8GB | Config: 64M * 72 * 4 banks * 4 groups - Samsung 8GB DDR4 SDRAM RDIMM |
| | m392a2g40dm0 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m392a2k43bb0 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2g40db0 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2g40db1 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2g40eb1 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2k40bb0 | 16GB | Config: 128M * 72 * 4 banks * 4 groups - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2k40bb1 | 16GB | Config: 128M * 72 * 4 banks * 4 groups - Samsung 16GB DDR4 SDRAM RDIMM |
| | m393a2k43bb1 | 16GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 16GB DDR4 SDRAM RDIMM |
| | m392a4k40bm0 | 32GB | Config: 128M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 32GB DDR4 SDRAM RDIMM |
| | m393a4k40bb0 | 32GB | Config: 128M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 32GB DDR4 SDRAM RDIMM |
| | m393a4k40bb1 | 32GB | Config: 128M * 72 * 4 banks * 4 groups * 2 ranks - Samsung 32GB DDR4 SDRAM RDIMM |
| | m393a8g40d40 | 64GB | Config: 64M * 72 * 4 banks * 4 groups * 2 ranks * 4 high - Samsung 64GB DDR4 3DS SDRAM RDIMM |
| | m393a8k40b21 | 64GB | Config: 128M * 72 * 4 banks * 4 groups * 2 ranks * 2 high - Samsung 64GB DDR4 3DS SDRAM RDIMM |
| | m393aak40b41 | 128GB | Config: 128M * 72 * 4 banks * 4 groups * 2 ranks * 4 high - Samsung 128GB DDR4 3DS SDRAM RDIMM |

DDR4 LRDIMM

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------------------------|------|--|
| JEDEC | | | |
| MMP_PLUS | jedec_ddr4_4GB_64_lrdimm | 4GB | Config: JEDEC 4GB DDR4 SDRAM LRDIMM 32M * 64 * 4 banks * 4 groups * 1 rank |
| MMP_PLUS | jedec_ddr4_4GB_72_lrdimm | 4GB | Config: JEDEC 4GB DDR4 SDRAM LRDIMM 32M * 72 * 4 banks * 4 groups * 1 rank |
| MMP_PLUS | jedec_ddr4_8GB_64_lrdimm | 8GB | Config: JEDEC 8GB DDR4 SDRAM LRDIMM 64M * 64 * 4 banks * 4 groups * 1 rank |
| MMP_PLUS | jedec_ddr4_8GB_72_lrdimm | 8GB | Config: JEDEC 8GB DDR4 SDRAM LRDIMM 64M * 72 * 4 banks * 4 groups * 1 rank |
| MMP_PLUS | jedec_ddr4_16GB_2r_64_lrdimm | 16GB | Config: JEDEC 16GB DDR4 SDRAM LRDIMM 64M * 64 * 4 banks * 4 groups * 2 ranks |
| MMP_PLUS | jedec_ddr4_16GB_2r_72_lrdimm | 16GB | Config: JEDEC 16GB DDR4 SDRAM LRDIMM 64M * 72 * 4 banks * 4 groups * 2 ranks |
| MMP_PLUS | jedec_ddr4_16GB_4r_64_lrdimm | 32GB | Config: JEDEC 32GB DDR4 SDRAM LRDIMM 64M * 64 * 4 banks * 4 groups * 4 ranks |
| MMP_PLUS | jedec_ddr4_16GB_4r_72_lrdimm | 32GB | Config: JEDEC 32GB DDR4 SDRAM LRDIMM 64M * 72 * 4 banks * 4 groups * 4 ranks |

| | | | |
|----------------|--------------|-------|---|
| Samsung | | | |
| MMP_PLUS | m386a4g40dm0 | 32GB | Config: Samsung 32GB DDR4 SDRAM LRDIMM 64M * 72 * 4 banks * 4 groups * 4 ranks |
| MMP_PLUS | m386a4g40dm1 | 32GB | Config: Samsung 32GB DDR4 SDRAM LRDIMM 64M * 72 * 4 banks * 4 groups * 4 ranks |
| MMP_PLUS | m386a4k40bb0 | 32GB | Config: Samsung 32GB DDR4 SDRAM LRDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks |
| MMP_PLUS | m386a8k40bm1 | 64GB | Config: Samsung 64GB DDR4 SDRAM LRDIMM 128M * 72 * 4 banks * 4 groups * 4 ranks |
| MMP_PLUS | m386aak40b40 | 128GB | Config: Samsung 128GB DDR4 SDRAM LRDIMM 128M * 72 * 4 banks * 4 groups * 2 ranks * 4 high |

Mobile SDRAM

| Manufacturer | Model Name | Size | Configuration |
|--------------|--------------|-------|---|
| Micron | mt48h4m16lf | 64Mb | Configuration : 1M x 16 x 4 Banks - Micron 64Mb Mobile SDRAM |
| | mt48h16m32lf | 512Mb | Configuration : 4M x 32 x 4 Banks - Micron 512Mb Mobile SDRAM |

Mobile DDR

| Manufacturer | Model Name | Size | Configuration |
|----------------|---------------|-------|--|
| Hynix | | | |
| | h5ms1222efp | 128Mb | Configuration : 1M x 32 x 4 Banks - Hynix 128Mb Mobile DDR |
| | h5ms1262efp | 128Mb | Configuration : 2M x 16 x 4 Banks - Hynix 128Mb Mobile DDR |
| | h5ms2532jfr | 256Mb | Configuration : 2M x 32 x 4 Banks - Hynix 256Mb Mobile DDR |
| | h5ms2562jfr | 256Mb | Configuration : 4M x 16 x 4 Banks - Hynix 256Mb Mobile DDR |
| | h5ms2622jfr | 256Mb | Configuration : 2M x 32 x 4 Banks - Hynix 256Mb Mobile DDR |
| | hy5ms5b2alfp | 256Mb | Configuration : 2M x 32 x 4 Banks - Hynix 256Mb Mobile DDR |
| | hy5ms5b6blfp | 256Mb | Configuration : 4M x 16 x 4 Banks - Hynix 256Mb Mobile DDR |
| | h5ms5122dfr | 512Mb | Configuration : 4M x 32 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms5122efr | 512Mb | Configuration : 4M x 32 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms5132dfr | 512Mb | Configuration : 4M x 32 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms5132efr | 512Mb | Configuration : 4M x 32 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms5162dfr | 512Mb | Configuration : 8M x 16 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms5162efr | 512Mb | Configuration : 8M x 16 x 4 Banks - Hynix 512Mb Mobile DDR |
| | hy5ms7b2blfp | 512Mb | Configuration : 4M x 32 x 4 Banks - Hynix 512Mb Mobile DDR |
| | hy5ms7b6blfp | 512Mb | Configuration : 8M x 16 x 4 Banks - Hynix 512Mb Mobile DDR |
| | h5ms1g22afr | 1Gb | Configuration : 8M x 32 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms1g22mfp | 1Gb | Configuration : 8M x 32 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms1g32afr | 1Gb | Configuration : 8M x 32 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms1g32mfp | 1Gb | Configuration : 8M x 32 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms1g62afr | 1Gb | Configuration : 16M x 16 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms1g62mfp | 1Gb | Configuration : 16M x 16 x 4 Banks - Hynix 1Gb Mobile DDR |
| | h5ms2g22mfr | 2Gb | Configuration : 16M x 32 x 4 Banks - Hynix 2Gb Mobile DDR |
| | h5ms2g32mfr | 2Gb | Configuration : 16M x 32 x 4 Banks - Hynix 2Gb Mobile DDR |
| | h5ms2g62mfr | 2Gb | Configuration : 32M x 16 x 4 Banks - Hynix 2Gb Mobile DDR |
| Samsung | | | |
| | k4x56163pi | 256Mb | Configuration : 4M x 16 x 4 Banks - Samsung 256Mb Mobile DDR |
| | k4x56323pi | 256Mb | Configuration : 2M x 32 x 4 Banks - Samsung 256Mb Mobile DDR |
| | k4x51163pg | 512Mb | Configuration : 8M x 16 x 4 Banks - Samsung 512Mb Mobile DDR |
| | k4x51323pg | 512Mb | Configuration : 4M x 32 x 4 Banks - Samsung 512Mb Mobile DDR |
| | k4x1g163p | 1Gb | Configuration : 16M x 16 x 4 Banks - Samsung 1Gb Mobile DDR |
| | k4x1g323p | 1Gb | Configuration : 8M x 32 x 4 Banks - Samsung 1Gb Mobile DDR |
| Micron | | | |
| | mt46h2m32lf | 64Mb | Configuration : 0.5M x 32 x 4 Banks - Micron 64Mb Mobile DDR |
| | mt46h4m16lf | 64Mb | Configuration : 1M x 16 x 4 Banks - Micron 64Mb Mobile DDR |
| | mt46h4m32lf | 128Mb | Configuration : 1M x 32 x 4 Banks - Micron 128Mb Mobile DDR |
| | mt46h8m16lf | 128Mb | Configuration : 2M x 16 x 4 Banks - Micron 128Mb Mobile DDR |
| | mt46h16m16lf | 256Mb | Configuration : 4M x 16 x 4 Banks - Micron 256Mb Mobile DDR |
| | mt46h8m32lf | 256Mb | Configuration : 2M x 32 x 4 Banks - Micron 256Mb Mobile DDR |
| | mt46h8m32lg | 256Mb | Configuration : 2M x 32 x 4 Banks - Micron 256Mb Mobile DDR |
| | mt46h16m32lf | 512Mb | Configuration : 4M x 32 x 4 Banks - Micron 512Mb Mobile DDR |
| | mt46h16m32lg | 512Mb | Configuration : 4M x 32 x 4 Banks - Micron 512Mb Mobile DDR |
| | mt46h32m16lf | 512Mb | Configuration : 8M x 16 x 4 Banks - Micron 512Mb Mobile DDR |
| | mt46h32m32lf | 1Gb | Configuration : 8M x 32 x 4 Banks - Micron 1Gb Mobile DDR |
| | mt46h32m32lg | 1Gb | Configuration : 8M x 32 x 4 Banks - Micron 1Gb Mobile DDR |
| | mt46h64m16lf | 1Gb | Configuration : 16M x 16 x 4 Banks - Micron 1Gb Mobile DDR |
| | mt46h128m16lf | 2Gb | Configuration : 32M x 16 x 4 Banks - Micron 2Gb Mobile DDR |
| | mt46h64m32lf | 2Gb | Configuration : 16M x 32 x 4 Banks - Micron 2Gb Mobile DDR |
| Winbond | | | |
| | w947d2hbjx | 128Mb | Configuration : 1M x 32 x 4 Banks - Micron 128Mb Mobile DDR |
| | w947d6hbjx | 128Mb | Configuration : 2M x 16 x 4 Banks - Micron 128Mb Mobile DDR |
| | w948d2hbjx | 256Mb | Configuration : 2M x 32 x 4 Banks - Micron 256Mb Mobile DDR |
| | w948d6hbjx | 256Mb | Configuration : 4M x 16 x 4 Banks - Micron 256Mb Mobile DDR |
| | w949d2hbjx | 512Mb | Configuration : 4M x 32 x 4 Banks - Micron 512Mb Mobile DDR |
| | w949d6hbjx | 512Mb | Configuration : 8M x 16 x 4 Banks - Micron 512Mb Mobile DDR |

LPDDR2

| Manufacturer | Model Name | Size | Configuration |
|-------------------------|----------------|-------|--|
| Micron | | | |
| | mt42l32m32 | 1Gb | Configuration: 4M * 32 * 8 Banks - Micron 1Gb LPDDR2 S4 SDRAM |
| | mt42l32m64 | 2Gb | Configuration: 4M * 64 * 8 Banks - Micron 2Gb LPDDR2 S4 SDRAM |
| | mt42l64m16 | 1Gb | Configuration: 8M * 16 * 8 Banks - Micron 1Gb LPDDR2 S4 SDRAM |
| | mt42l64m32 | 2Gb | Configuration: 8M * 32 * 8 Banks - Micron 2Gb LPDDR2 S4 SDRAM |
| | mt42l64m64 | 4Gb | Configuration: 4M * 64 * 8 Banks - Micron 4Gb LPDDR2 S4 SDRAM |
| | mt42l128m16 | 2Gb | Configuration: 16M * 16 * 8 Banks - Micron 2Gb LPDDR2 S4 SDRAM |
| | mt42l128m32 | 4Gb | Configuration: 16M * 32 * 8 Banks - Micron 4Gb LPDDR2 S4 SDRAM |
| | mt42l1256m16 | 4Gb | Configuration: 32M * 16 * 8 Banks - Micron 4Gb LPDDR2 S4 SDRAM |
| Micron Multi-Die | | | |
| | mt42l64m32d1 | 2Gb | Die Config: 8M * 32 * 8 Banks - Model: Micron 2Gb 1 Channel - 1 Rank/Ch - 1 Die/Rank |
| | mt42l64m64d2 | 4Gb | Die Config: 8M * 32 * 8 Banks - Model: Micron 4Gb 2 Channel - 1 Rank/Ch - 1 Die/Rank |
| | mt42l128m16d1 | 2Gb | Die Config: 16M * 16 * 8 Banks - Model: Micron 2Gb 1 Channel - 1 Rank/Ch - 1 Die/Rank |
| | mt42l128m32d2 | 4Gb | Die Config: 8M * 32 * 8 Banks - Model: Micron 4Gb 1 Channel - 2 Rank/Ch - 1 Die/Rank |
| | mt42l128m64d4 | 8Gb | Die Config: 8M * 32 * 8 Banks - Model: Micron 8Gb 2 Channel - 2 Rank/Ch - 1 Die/Rank |
| | mt42l256m32d4 | 8Gb | Die Config: 16M * 16 * 8 Banks - Model: Micron 8Gb 1 Channel - 2 Rank/Ch - 2 Die/Rank |
| | mt42l128m32d1 | 4Gb | Die Config: 16M * 32 * 8 Banks - Model: Micron 4Gb 1 Channel - 1 Rank/Ch - 1 Die/Rank |
| | mt42l256m16d1 | 4Gb | Die Config: 32M * 16 * 8 Banks - Model: Micron 4Gb 1 Channel - 1 Rank/Ch - 1 Die/Rank |
| | mt42l256m32d2 | 8Gb | Die Config: 16M * 32 * 8 Banks - Model: Micron 8Gb 1 Channel - 2 Rank/Ch - 1 Die/Rank |
| | mt42l512m32d4 | 16Gb | Die Config: 32M * 16 * 8 Banks - Model: Micron 16Gb 2 Channel - 2 Rank/Ch - 2 Die/Rank |
| | mt42l128m64d2 | 8Gb | Die Config: 16M * 32 * 8 Banks - Model: Micron 8Gb 2 Channel - 1 Rank/Cha - 1 Die/Rank |
| | mt42l192m64d3 | 12Gb | Die Config: 16M * 32 * 8 Banks - Model: Micron 12Gb 2 Channel - 1/2 Rank/Ch - 1 Die/Rank |
| | mt42l256m64d4 | 16Gb | Die Config: 16M * 16 * 8 Banks - Model: Micron 16Gb 2 Channel - 2 Rank/Ch - 1 Die/Rank |
| Samsung | | | |
| | k4p51163 | 512Mb | Configuration : 8M x 16 x 4 Banks Samsung 512Mb LPDDR2 S4 SDRAM |
| | k4p51323 | 512Mb | Configuration : 4M x 32 x 4 Banks Samsung 512Mb LPDDR2 S4 SDRAM |
| | k4p1g164 | 1Gb | Configuration : 8M x 16 x 8 Banks Samsung 1Gb LPDDR2 S4 SDRAM |
| | k4p1g324 | 1Gb | Configuration : 4M x 32 x 8 Banks Samsung 1Gb LPDDR2 S4 SDRAM |
| | k4q1g163 | 1Gb | Configuration : 16M x 16 x 4 Banks Samsung 1Gb LPDDR2 S2 SDRAM |
| | k4q1g323 | 1Gb | Configuration : 8M x 32 x 4 Banks Samsung 1Gb LPDDR2 S2 SDRAM |
| | k4p2g164 | 2Gb | Configuration : 16M x 16 x 8 Banks Samsung 2Gb LPDDR2 S4 SDRAM |
| | k4p2g324 | 2Gb | Configuration : 8M x 32 x 8 Banks Samsung 2Gb LPDDR2 S4 SDRAM |
| | k4p4g164 | 4Gb | Configuration : 32M x 16 x 8 Banks Samsung 4Gb LPDDR2 S4 SDRAM |
| | k4p4g324 | 4Gb | Configuration : 16M x 32 x 8 Banks Samsung 4Gb LPDDR2 S4 SDRAM |
| Jedec | | | |
| | jedec_1gb_64 | 1Gb | Configuration: 2M * 64 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_4gb_8 | 4Gb | Configuration: 64M * 8 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_4gb_16 | 4Gb | Configuration: 32M * 16 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_4gb_32 | 4Gb | Configuration: 16M * 32 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_8gb_16 | 8Gb | Configuration: 64M * 16 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_8gb_32 | 8Gb | Configuration: 32M * 32 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| | jedec_8gb_64 | 8Gb | Configuration: 16M * 64 * 8 Banks - Generic JEDEC LPDDR2 S4 SDRAM |
| Elpida | | | |
| | ecb440abacn_16 | 4Gb | Configuration: 32M * 16 * 8 Banks - Elpida 4Gb LPDDR2 S4 SDRAM |
| | ecb440abacn_32 | 4Gb | Configuration: 16M * 32 * 8 Banks - Elpida 4Gb LPDDR2 S4 SDRAM |

LPDDR3

| Manufacturer | Model Name | Size | Configuration |
|-------------------------|----------------------|------|---|
| Jedec | | | |
| | jedec_lpddr3_2gb_32 | 2Gb | Configuration: 8M * 32 * 8 Banks - JEDEC 2Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_4gb_16 | 4Gb | Configuration: 32M * 16 * 8 Banks - JEDEC 4Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_4gb_32 | 4Gb | Configuration: 16M * 32 * 8 Banks - JEDEC 4Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_8gb_16 | 8Gb | Configuration: 64M * 16 * 8 Banks - JEDEC 8Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_8gb_32 | 8Gb | Configuration: 32M * 32 * 8 Banks - JEDEC 8Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_16gb_16 | 16Gb | Configuration: 128M * 16 * 8 Banks - JEDEC 16Gb LPDDR3 S8 SDRAM |
| | jedec_lpddr3_16gb_32 | 16Gb | Configuration: 64M * 32 * 8 Banks - JEDEC 16Gb LPDDR3 S8 SDRAM |
| Micron | | | |
| | mt52l128m32 | 4Gb | Configuration: 16M * 32 * 8 Banks - Micron 4Gb LPDDR3 S8 SDRAM |
| | mt52l256m16 | 4Gb | Configuration: 32M * 16 * 8 Banks - Micron 4Gb LPDDR3 S8 SDRAM |
| Micron Multi-Die | | | |
| | mt52l128m32d1 | 4Gb | Config: 16M * 32 * 8 Banks - Micron 8Gb LPDDR3 S8 SDRAM - 1 Ch - 1 Ranks/Ch - 1 Die/Rank |
| | mt52l256m16d1 | 4Gb | Config: 32M * 16 * 8 Banks - Micron 4Gb LPDDR3 S8 SDRAM - 1 Ch - 1 Ranks/Ch - 1 Die/Rank |
| | mt52l256m32d2 | 8Gb | Config: 32M * 32 * 8 Banks - Micron 8Gb LPDDR3 S8 SDRAM - 1 Ch - 2 Ranks/Ch - 1 Die/Rank |
| | mt52l384m32d3 | 12Gb | Config: 48M * 32 * 8 Banks - Micron 12Gb LPDDR3 S8 SDRAM - 1 Ch - 2 Ranks/Ch - 1/2 Die/Rank |
| | mt52l512m32d4 | 16Gb | Config: 64M * 32 * 8 Banks - Micron 16Gb LPDDR3 S8 SDRAM - 1 Ch - 2 Ranks/Ch - 2 Die/Rank |
| | mt52l128m64d2 | 8Gb | Config: 16M * 64 * 8 Banks - Micron 8Gb LPDDR3 S8 SDRAM - 2 Ch - 1 Ranks/Ch - 1 Die/Rank |
| | mt52l256m64d4 | 16Gb | Config: 32M * 64 * 8 Banks - Micron 16Gb LPDDR3 S8 SDRAM - 2 Ch - 2 Ranks/Ch - 1 Die/Rank |
| | edf8132a1 | 8Gb | Configuration: 16M x 32 x 8 banks - Micron 8Gb S8 - 1 Ch - 2 Ranks/Ch - 1 Die/Rank |
| | edfa164a1 | 16Gb | Configuration: 16M x 32 x 8 banks - Micron 16Gb S8 - 2 Ch - 2 Ranks/Ch - 1 Die/Rank |
| | edfa232a1 | 16Gb | Configuration: 32M x 16 x 8 banks - Micron 16Gb S8 - 1 Ch - 2 Ranks/Ch - 2 Die/Rank |

LPDDR4

| Manufacturer | Model Name | Size | Configuration |
|----------------|--|------|--|
| Samsung | Rev 0.4 Spec | | |
| | samsunglpddr4_4Gb | 4Gb | Configuration: 16M * 16 * 8 Banks * 2 Ch - Samsung 4Gb LPDDR4 |
| | samsunglpddr4_6Gb | 6Gb | Configuration: 24M * 16 * 8 Banks * 2 Ch - Samsung 6Gb LPDDR4 |
| | samsunglpddr4_8Gb | 8Gb | Configuration: 32M * 16 * 8 Banks * 2 Ch - Samsung 8Gb LPDDR4 |
| | samsunglpddr4_12Gb | 12Gb | Configuration: 48M * 16 * 8 Banks * 2 Ch - Samsung 12Gb LPDDR4 |
| | samsunglpddr4_16Gb | 16Gb | Configuration: 64M * 16 * 8 Banks * 2 Ch - Samsung 16Gb LPDDR4 |
| | samsunglpddr4_24Gb | 24Gb | Configuration: 96M * 16 * 8 Banks * 2 Ch - Samsung 24Gb LPDDR4 |
| SKHynix | Rev 0.8 Spec | | |
| | sklpddr4_4ch_16Gb | 4Gb | Configuration: 32M * 16 * 8 Banks * 4 Ch - SK Hynix 16Gb LPDDR4 |
| JEDEC | JESD209-4B Rev February 2017 Spec | | |
| | jedec_lpddr4_4Gb | 4Gb | Configuration: 16M * 16 * 8 Banks * 2 Ch - JEDEC 4Gb LPDDR4 |
| | jedec_lpddr4_6Gb | 6Gb | Configuration: 24M * 16 * 8 Banks * 2 Ch - JEDEC 6Gb LPDDR4 |
| | jedec_lpddr4_8Gb | 8Gb | Configuration: 32M * 16 * 8 Banks * 2 Ch - JEDEC 8Gb LPDDR4 |
| | jedec_lpddr4_12Gb | 12Gb | Configuration: 48M * 16 * 8 Banks * 2 Ch - JEDEC 12Gb LPDDR4 |
| | jedec_lpddr4_16Gb | 16Gb | Configuration: 64M * 16 * 8 Banks * 2 Ch - JEDEC 16Gb LPDDR4 |
| | jedec_lpddr4_24Gb | 24Gb | Configuration: 96M * 16 * 8 Banks * 2 Ch - JEDEC 24Gb LPDDR4 |
| | jedec_lpddr4_32Gb | 32Gb | Configuration: 128M * 16 * 8 Banks * 2 Ch - JEDEC 32Gb LPDDR4 |
| | jedec_lpddr4_single_ch_2Gb | 2Gb | Configuration: 16M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 2Gb LPDDR4 |
| | jedec_lpddr4_single_ch_3Gb | 3Gb | Configuration: 24M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 3Gb LPDDR4 |
| | jedec_lpddr4_single_ch_4Gb | 4Gb | Configuration: 32M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 4Gb LPDDR4 |
| | jedec_lpddr4_single_ch_6Gb | 6Gb | Configuration: 48M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 6Gb LPDDR4 |
| Micron | | | |
| | mt53b128m32 | 4Gb | Configuration: 16Mb * 16 * 8 Banks * 2 Ch * 1 Rank - Micron 4Gb LPDDR4 |
| | mt53b256m32d1 | 8Gb | Configuration: 32Mb * 16 * 8 Banks * 2 Ch * 1 Rank - Micron 8Gb LPDDR4 |
| | mt53b384m32d2 | 12Gb | Configuration: 48Mb * 16 * 8 Banks * 2 Ch - Micron 12Gb 2Dies LPDDR4 |
| | mt53b768m32d4 | 24Gb | Configuration: 96Mb * 16 * 8 Banks * 2 Ch - Micron 24Gb 4Dies LPDDR4 |
| | mt53b512m32d2 | 16Gb | Configuration: 32Mb * 16 * 8 Banks * 2 Ch * 2 Ranks - Micron 16Gb 2Dies LPDDR4 |
| | mt53b256m64d2 | 16Gb | Configuration: 32Mb * 16 * 8 Banks * 4 Ch * 1 Rank - Micron 16Gb 2Dies LPDDR4 |
| | mt53b384m64d4 | 24Gb | Configuration: 48Mb * 16 * 8 Banks * 4 Ch - Micron 24Gb 4Dies LPDDR4 |
| | mt53b512m64d4 | 32Gb | Configuration: 64Mb * 16 * 8 Banks * 4 Ch - Micron 32Gb 4Dies LPDDR4 |
| | mt53b768m64d8 | 48Gb | Configuration: 48Mb * 16 * 8 Banks * 4 Ch * 2 Ranks - Micron 48Gb 8Dies LPDDR4 |
| | mt53b1024m64d8 | 64Gb | Configuration: 64Mb * 16 * 8 Banks * 4 Ch * 2 Ranks - Micron 64Gb 8Dies LPDDR4 |

LPDDR4X

| Manufacturer | Model Name | Size | Configuration |
|--|-----------------------------|------|---|
| JEDEC JEDEC LPDDR4X draft Spec Addendum (August 2016) | | | |
| | jedec_lpddr4x_4Gb | 4Gb | Configuration: 16M * 16 * 8 Banks * 2 Ch - JEDEC 4Gb LPDDR4X |
| | jedec_lpddr4x_6Gb | 6Gb | Configuration: 24M * 16 * 8 Banks * 2 Ch - JEDEC 6Gb LPDDR4X |
| | jedec_lpddr4x_8Gb | 8Gb | Configuration: 32M * 16 * 8 Banks * 2 Ch - JEDEC 8Gb LPDDR4X |
| | jedec_lpddr4x_12Gb | 12Gb | Configuration: 48M * 16 * 8 Banks * 2 Ch - JEDEC 12Gb LPDDR4X |
| | jedec_lpddr4x_16Gb | 16Gb | Configuration: 64M * 16 * 8 Banks * 2 Ch - JEDEC 16Gb LPDDR4X |
| | jedec_lpddr4x_24Gb | 24Gb | Configuration: 96M * 16 * 8 Banks * 2 Ch - JEDEC 24Gb LPDDR4X |
| | jedec_lpddr4x_32Gb | 32Gb | Configuration: 128M * 16 * 8 Banks * 2 Ch - JEDEC 32Gb LPDDR4x |
| | jedec_lpddr4x_single_ch_2Gb | 2Gb | Configuration: 16M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 2Gb LPDDR4X |
| | jedec_lpddr4x_single_ch_3Gb | 3Gb | Configuration: 24M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 3Gb LPDDR4X |
| | jedec_lpddr4x_single_ch_4Gb | 4Gb | Configuration: 32M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 4Gb LPDDR4X |
| | jedec_lpddr4x_single_ch_6Gb | 6Gb | Configuration: 48M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 6Gb LPDDR4X |
| | jedec_lpddr4x_single_ch_8Gb | 8Gb | Configuration: 64M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 8Gb LPDDR4X |
| Micron | | | |
| | mt53d512m64d8 | 32Gb | Configuration: 32Mb * 16 * 8 Banks * 4 Ch * 2 Ranks – Micron 32Gb 8Dies LPDDR4X |
| | mt53d768m64d8 | 48Gb | Configuration: 48Mb * 16 * 8 Banks * 4 Ch * 2 Ranks – Micron 48Gb 8Dies LPDDR4X |
| | mt53d512m64d4 | 32Gb | Configuration: 64Mb * 16 * 8 Banks * 4 Ch – Micron 32Gb 4Dies LPDDR4X |
| | mt53d1024m64d8 | 64Gb | Configuration: 64Mb * 16 * 8 Banks * 4 Ch * 2 Ranks – Micron 64Gb 8Dies LPDDR4X |

LPDDR4 x8

| Manufacturer | Model Name | Size | Configuration |
|---|-------------------------------|------|--|
| JEDEC JEDEC LPDDR4 draft Byte Mode Spec Addendum (August 2015) | | | |
| | jedec_lpddr4_x8_4Gb | 4Gb | Configuration: 32M * 8 * 8 Banks * 2 Ch - JEDEC 4Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_6Gb | 6Gb | Configuration: 48M * 8 * 8 Banks * 2 Ch - JEDEC 6Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_8Gb | 8Gb | Configuration: 64M * 8 * 8 Banks * 2 Ch - JEDEC 8Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_12Gb | 12Gb | Configuration: 96M * 8 * 8 Banks * 2 Ch - JEDEC 12Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_16Gb | 16Gb | Configuration: 128M * 8 * 8 Banks * 2 Ch - JEDEC 16Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_single_ch_2Gb | 2Gb | Configuration: 32M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 2Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_single_ch_3Gb | 3Gb | Configuration: 48M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 3Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_single_ch_4Gb | 4Gb | Configuration: 64M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 4Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_single_ch_6Gb | 6Gb | Configuration: 96M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 6Gb LPDDR4_x8 |
| | jedec_lpddr4_x8_single_ch_8Gb | 8Gb | Configuration: 128M * 16 * 8 Banks * 1 Ch - JEDEC Single Channel 8Gb LPDDR4_x8 |
| Micron | | | |
| | mt53b1024m32d4 | 32Gb | Configuration: 64Mb * 8 * 8 Banks * 2 Ch * 2 Ranks * 2 – Micron 32Gb 4Dies LPDDR4_x8 |

LPDDR5

| Manufacturer | Model Name | Size | Configuration |
|-----------------|---|-------------|---|
| JEDEC | 20170821_Samsung LPDDR5 Specification Draft R09 r2 (August 2017) | | |
| | *LPDDR5 model configuration can be changed by mode register MR3 OP[4:3]. Default configuration for LPDDR5 model is 4BG4B with MR3[4:3]=2'b00. By setting MR3[4:3]=2'b01, LPDDR5 model is configured as 8 bank. By setting MR3[4:3]=2'b10, LPDDR5 model is configured as 16 bank. | | |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_2Gb</i> | <i>2Gb</i> | <i>Configuration: 8Mb * 16 * 4 Banks * 4 BG - JEDEC 2Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_3Gb</i> | <i>3Gb</i> | <i>Configuration: 12Mb * 16 * 4 Banks * 4 BG - JEDEC 3Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_4Gb</i> | <i>4Gb</i> | <i>Configuration: 16Mb * 16 * 4 Banks * 4 BG - JEDEC 4Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_6Gb</i> | <i>6Gb</i> | <i>Configuration: 24Mb * 16 * 4 Banks * 4 BG - JEDEC 6Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_8Gb</i> | <i>8Gb</i> | <i>Configuration: 32Mb * 16 * 4 Banks * 4 BG - JEDEC 8Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_12Gb</i> | <i>12Gb</i> | <i>Configuration: 48Mb * 16 * 4 Banks * 4 BG - JEDEC 12Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_16Gb</i> | <i>16Gb</i> | <i>Configuration: 64Mb * 16 * 4 Banks * 4 BG - JEDEC 16Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_24Gb</i> | <i>24Gb</i> | <i>Configuration: 96Mb * 16 * 4 Banks * 4 BG - JEDEC 24Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_32Gb</i> | <i>32Gb</i> | <i>Configuration: 128Mb * 16 * 4 Banks * 4 BG - JEDEC 32Gb LPDDR5</i> |

LPDDR5 x8

| Manufacturer | Model Name | Size | Configuration |
|-----------------|---|-------------|--|
| JEDEC | 20170821_Samsung LPDDR5 Specification Draft R09 r2 (August 2017) | | |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_2Gb</i> | <i>2Gb</i> | <i>Configuration: 16Mb * 8 * 4 Banks * 4 BG - JEDEC 2Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_3Gb</i> | <i>3Gb</i> | <i>Configuration: 24Mb * 8 * 4 Banks * 4 BG - JEDEC 3Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_4Gb</i> | <i>4Gb</i> | <i>Configuration: 32Mb * 8 * 4 Banks * 4 BG - JEDEC 4Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_6Gb</i> | <i>6Gb</i> | <i>Configuration: 48Mb * 8 * 4 Banks * 4 BG - JEDEC 6Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_8Gb</i> | <i>8Gb</i> | <i>Configuration: 64Mb * 8 * 4 Banks * 4 BG - JEDEC 8Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_12Gb</i> | <i>12Gb</i> | <i>Configuration: 96Mb * 8 * 4 Banks * 4 BG - JEDEC 12Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_16Gb</i> | <i>16Gb</i> | <i>Configuration: 128Mb * 8 * 4 Banks * 4 BG - JEDEC 16Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_24Gb</i> | <i>24Gb</i> | <i>Configuration: 192Mb * 8 * 4 Banks * 4 BG - JEDEC 24Gb LPDDR5</i> |
| BETA | | | |
| MMP_PLUS | <i>jedec_lpddr5_x8_32Gb</i> | <i>32Gb</i> | <i>Configuration: 256Mb * 8 * 4 Banks * 4 BG - JEDEC 32Gb LPDDR5</i> |

RLDRAM2

| Manufacturer | Model Name | Size | Configuration |
|--------------|-------------|-------|---|
| Micron | | | |
| | mt49h8m36 | 288Mb | Configuration: 1M * 36 * 8 banks - Micron 288Mb CIO RLDRAM2 |
| | mt49h16m18 | 288Mb | Configuration: 2M * 18 * 8 banks - Micron 288Mb CIO RLDRAM2 |
| | mt49h16m18c | 288Mb | Configuration: 2M * 18 * 8 banks - Micron 288Mb SIO RLDRAM2 |
| | mt49h32m9 | 288Mb | Configuration: 4M * 9 * 8 banks - Micron 288Mb CIO RLDRAM2 |
| | mt49h16m36 | 576Mb | Configuration: 2M * 36 * 8 banks - Micron 576Mb CIO RLDRAM2 |
| | mt49h32m18 | 576Mb | Configuration: 4M * 18 * 8 banks - Micron 576Mb CIO RLDRAM2 |
| | mt49h32m18c | 576Mb | Configuration: 4M * 18 * 8 banks - Micron 576Mb SIO RLDRAM2 |
| | mt49h64m9 | 576Mb | Configuration: 8M * 9 * 8 banks - Micron 576Mb CIO RLDRAM2 |
| | mt49h64m9c | 576Mb | Configuration: 8M * 9 * 8 banks - Micron 576Mb SIO RLDRAM2 |

| RLDRAM3 | | | |
|--------------|------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| BETA | mt6l16m36 | 576Mb | Configuration: 1M * 36 * 16 banks - Micron 576Mb RLDRAM3 |
| BETA | mt6l32m18 | 576Mb | Configuration: 2M * 18 * 16 banks - Micron 576Mb RLDRAM3 |

| FCRAM | | | |
|--------------|------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Fujitsu | | | |
| BETA | | 512Mb | Configuration: 2M * 64 * 2 banks - Fujitsu 512Mb FCRAM |

GDDR5M

| Manufacturer | Model Name | Size | Configuration |
|--------------|----------------------|------|--|
| JEDEC | | | |
| | gddr5m_jedec_2gb_8 | 2Gb | Configuration: 32M * 8 * 8 banks - JEDEC 2Gb GDDR5M SGRAM |
| | gddr5m_jedec_2gb_16 | 2Gb | Configuration: 16M * 16 * 8 banks - JEDEC 2Gb GDDR5M SGRAM |
| | gddr5m_jedec_4gb_8 | 4Gb | Configuration: 64M * 8 * 8 banks - JEDEC 4Gb GDDR5M SGRAM |
| | gddr5m_jedec_4gb_16 | 4Gb | Configuration: 32M * 16 * 8 banks - JEDEC 4Gb GDDR5M SGRAM |
| | gddr5m_jedec_8gb_8 | 8Gb | Configuration: 64M * 8 * 16 banks - JEDEC 8Gb GDDR5M SGRAM |
| | gddr5m_jedec_8gb_16 | 8Gb | Configuration: 32M * 16 * 16 banks - JEDEC 8Gb GDDR5M SGRAM |
| | gddr5m_jedec_16gb_8 | 16Gb | Configuration: 128M * 8 * 16 banks - JEDEC 16Gb GDDR5M SGRAM |
| | gddr5m_jedec_16gb_16 | 16Gb | Configuration: 64M * 16 * 16 banks - JEDEC 16Gb GDDR5M SGRAM |

GDDR5X

| Manufacturer | Model Name | Size | Configuration |
|--------------|----------------------|------|---|
| JEDEC | | | |
| | gddr5x_jedec_4gb_16 | 4Gb | Configuration: 16Mb * 16 * 16 banks - 4Gb GDDR5X SGRAM |
| | gddr5x_jedec_4gb_32 | 4Gb | Configuration: 8Mb * 32 * 16 banks - 4Gb GDDR5X SGRAM |
| | gddr5x_jedec_6gb_16 | 6Gb | Configuration: 24Mb * 16 * 16 banks - 6Gb GDDR5X SGRAM |
| | gddr5x_jedec_6gb_32 | 6Gb | Configuration: 12Mb * 32 * 16 banks - 6Gb GDDR5X SGRAM |
| | gddr5x_jedec_8gb_16 | 8Gb | Configuration: 32Mb * 16 * 16 banks - 8Gb GDDR5X SGRAM |
| | gddr5x_jedec_8gb_32 | 8Gb | Configuration: 16Mb * 32 * 16 banks - 8Gb GDDR5X SGRAM |
| | gddr5x_jedec_12gb_16 | 12Gb | Configuration: 48Mb * 16 * 16 banks - 12Gb GDDR5X SGRAM |
| | gddr5x_jedec_12gb_32 | 12Gb | Configuration: 24Mb * 32 * 16 banks - 12Gb GDDR5X SGRAM |
| | gddr5x_jedec_16gb_16 | 16Gb | Configuration: 64Mb * 16 * 16 banks - 16Gb GDDR5X SGRAM |
| | gddr5x_jedec_16gb_32 | 16Gb | Configuration: 32Mb * 32 * 16 banks - 16Gb GDDR5X SGRAM |

GDDR6 SGRAM

| Manufacturer | Model Name | Size | Configuration |
|--------------|---------------------|------|--|
| JEDEC | | | |
| | jedec_gddr6_8gb_8 | 8Gb | Configuration: 32M * 8 * 16 banks * 2 channels - 8Gb GDDR6 SGRAM |
| | jedec_gddr6_8gb_16 | 8Gb | Configuration: 16M * 16 * 16 banks * 2 channels - 8Gb GDDR6 SGRAM |
| | jedec_gddr6_12gb_8 | 12Gb | Configuration: 48M * 8 * 16 banks * 2 channels - 12Gb GDDR6 SGRAM |
| | jedec_gddr6_12gb_16 | 12Gb | Configuration: 24M * 16 * 16 banks * 2 channels - 12Gb GDDR6 SGRAM |
| | jedec_gddr6_16gb_8 | 16Gb | Configuration: 64M * 8 * 16 banks * 2 channels - 16Gb GDDR6 SGRAM |
| | jedec_gddr6_16gb_16 | 16Gb | Configuration: 32M * 16 * 16 banks * 2 channels - 16Gb GDDR6 SGRAM |

HBM

| Manufacturer | Model Name | Size | Configuration |
|--------------|--|------|---|
| Generic | High Bandwidth Memory (HBM) DRAM JESD235B Specification Rev 2.10 | | |
| | hbm_channel | xGb | Configure size in top level module as below: |
| | 1Gb in Legacy Mode | 1Gb | Configuration: RA[12:0], CA[5:0], BA[2:0] |
| | 2Gb in Legacy Mode | 2Gb | Configuration: RA[13:0], CA[5:0], BA[2:0] |
| | 4Gb in Legacy Mode | 4Gb | Configuration: RA[13:0], CA[5:0], BA[3:0] |
| | 2Gb in Pseudo Channel Mode | 2Gb | Configuration: RA[13:0], CA[5:0], BA[2:0] |
| | 4Gb in Pseudo Channel Mode | 4Gb | Configuration: RA[13:0], CA[5:0], BA[3:0] |
| | 8Gb in Pseudo Channel Mode | 8Gb | Configuration: RA[14:0], CA[5:0], BA[3:0] |
| | 8Gb in 8-High Mode | 8Gb | Configuration: RA[13:0], CA[5:0], {SID,BA[3:0]} |

| HMC | | | |
|--------------------------------|---|------------|--|
| Manufacturer | Model Name | Size | Configuration |
| Generic | Hybrid Memory Cube Specification Revision 2.1 | | |
| | <i>hmc_top</i> | <i>xGB</i> | <i>Supports up to 8 cubes. Configure size in top level module. Examples:</i> |
| BETA MMP_PLUS | | 4GB | 4GB (32/64/128/256 byte max block size) |
| BETA MMP_PLUS | | 8GB | 8GB (32/64/128/256 byte max block size) |

WIDEIO

| Manufacturer | Model Name | Size | Configuration |
|--------------|-----------------------------------|------|--|
| JEDEC | | | |
| | jedec_wideio_1gb_128bit_4ch_1rank | 1Gb | Configuration: 256Mb x 4 channels(512K x 128 x 4 banks) WIDEIO |
| | jedec_wideio_2gb_128bit_4ch_1rank | 2Gb | Configuration: 512Mb x 4 channels(1M x 128 x 4 banks) WIDEIO |
| | jedec_wideio_4gb_128bit_4ch_1rank | 4Gb | Configuration: 1Gb x 4 channels(2M x 128 x 4 banks) WIDEIO |
| | jedec_wideio_8gb_128bit_4ch_1rank | 8Gb | Configuration: 2Gb x 4 channels(4M x 128 x 4 banks) WIDEIO |

WIDEIO2

| Manufacturer | Model Name | Size | Configuration |
|--------------|-------------------------------|------|--|
| Intel | | | |
| BETA | intelwio2_8Gb_1h_4ch_4x64die | 8Gb | Configuration: 4M * 64 * 8 Banks * 4 Ch |
| BETA | intelwio2_8Gb_1h_8ch_8x64die | 8Gb | Configuration: 4M * 64 * 4 Banks * 8 Ch |
| BETA | intelwio2_12Gb_1h_4ch_4x64die | 12Gb | Configuration: 6M * 64 * 8 Banks * 4 Ch |
| BETA | intelwio2_12Gb_1h_8ch_8x64die | 12Gb | Configuration: 6M * 64 * 4 Banks * 8 Ch |
| BETA | intelwio2_16Gb_1h_4ch_4x64die | 16Gb | Configuration: 8M * 64 * 8 Banks * 4 Ch |
| BETA | intelwio2_16Gb_1h_8ch_8x64die | 16Gb | Configuration: 8M * 64 * 4 Banks * 8 Ch |
| BETA | intelwio2_24Gb_1h_4ch_4x64die | 24Gb | Configuration: 12M * 64 * 8 Banks * 4 Ch |
| BETA | intelwio2_24Gb_1h_8ch_8x64die | 24Gb | Configuration: 12M * 64 * 4 Banks * 8 Ch |
| BETA | intelwio2_32Gb_1h_4ch_4x64die | 32Gb | Configuration: 16M * 64 * 8 Banks * 4 Ch |
| BETA | intelwio2_32Gb_1h_8ch_8x64die | 32Gb | Configuration: 16M * 64 * 4 Banks * 8 Ch |

| Manufacturer | Model Name | Size | Configuration |
|--------------|--------------------------------|------|--|
| JEDEC | | | |
| | JEDEC Standard JESD229-2 | | |
| BETA | jedec_wio2_8Gb_1h_4ch_4x64die | 8Gb | Configuration: 4M * 64 * 8 Banks * 4 Ch |
| BETA | jedec_wio2_8Gb_1h_8ch_8x64die | 8Gb | Configuration: 4M * 64 * 4 Banks * 8 Ch |
| BETA | jedec_wio2_12Gb_1h_4ch_4x64die | 12Gb | Configuration: 6M * 64 * 8 Banks * 4 Ch |
| BETA | jedec_wio2_12Gb_1h_8ch_8x64die | 12Gb | Configuration: 6M * 64 * 4 Banks * 8 Ch |
| BETA | jedec_wio2_16Gb_1h_4ch_4x64die | 16Gb | Configuration: 8M * 64 * 8 Banks * 4 Ch |
| BETA | jedec_wio2_16Gb_1h_8ch_8x64die | 16Gb | Configuration: 8M * 64 * 4 Banks * 8 Ch |
| BETA | jedec_wio2_24Gb_1h_4ch_4x64die | 24Gb | Configuration: 12M * 64 * 8 Banks * 4 Ch |
| BETA | jedec_wio2_24Gb_1h_8ch_8x64die | 24Gb | Configuration: 12M * 64 * 4 Banks * 8 Ch |
| BETA | jedec_wio2_32Gb_1h_4ch_4x64die | 32Gb | Configuration: 16M * 64 * 8 Banks * 4 Ch |
| BETA | jedec_wio2_32Gb_1h_8ch_8x64die | 32Gb | Configuration: 16M * 64 * 4 Banks * 8 Ch |

DFI

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|------|---------------|
| DFI 4.0 | | | |

| | | |
|---------------|--|--|
| | | DFI 4.0 PHY - Supports: DDR, DDR2, DDR3, DDR4, LPDDR (Mobile DDR), LPDDR2, LPDDR3, LPDDR4 Supports: Freq Ratio 1:1, 1:2 and 1:4 Does not support: Training interfaces, PHY initiated update, parity interface |
| dfiphy_pd | Core Model | |
| | Core Model Configurable With Below Wrappers: | |
| dfiphy_ddr | DDR | DFI PHY wrapper for use with DDR |
| dfiphy_ddr2 | DDR2 | DFI PHY wrapper for use with DDR2 |
| dfiphy_ddr3 | DDR3 | DFI PHY wrapper for use with DDR3 |
| dfiphy_ddr4 | DDR4 | DFI PHY wrapper for use with DDR4 |
| dfiphy_lpddr | LPDDR | DFI PHY wrapper for use with LPDDR (Mobile DDR) |
| dfiphy_lpddr2 | LPDDR2 | DFI PHY wrapper for use with LPDDR2 |
| dfiphy_lpddr3 | LPDDR3 | DFI PHY wrapper for use with LPDDR3 |
| dfiphy_lpddr4 | LPDDR4 | DFI PHY wrapper for use with LPDDR4 |

Cellular RAM

| Manufacturer | Model Name | Size | Configuration |
|---|-----------------|-------|--|
| Numonyx MCP Parts with only Cellular RAM implemented | | | |
| | pf38f3040m0y0qe | 32Mb | Configuration: 2M * 16 PSRAM |
| | pf38f3040m0y3de | 32Mb | Configuration: 2M * 16 PSRAM |
| | pf38f3050m0y3de | 64Mb | Configuration: 4M * 16 PSRAM |
| | pf38f4050m0y3ce | 64Mb | Configuration: 4M * 16 PSRAM |
| | pf38f5060m0y3ce | 128Mb | Configuration: 8M * 16 PSRAM |
| | pf38f5060m0y3de | 128Mb | Configuration: 8M * 16 PSRAM |
| | pf38f5070m0y3de | 256Mb | Configuration: 16M * 16 PSRAM |
| | pf38f6070m0y1ce | 256Mb | Configuration: 16M * 16 PSRAM |
| Micron | | | |
| | mt45w4mw16 | 64Mb | Configuration: 4M * 16 CellularRAM |
| | mt45w8mw16 | 128Mb | Configuration: 8M * 16 CellularRAM |
| AP Memory | | | |
| | aps3216h | 32Mb | Configuration: 2M * 16 ADMUX PSRAM |
| | aps6416f | 64Mb | Configuration: 4M * 16 ADMUX PSRAM |
| | aps12816g | 128Mb | Configuration: 8M * 16 ADMUX PSRAM |
| | aps25616g | 256Mb | Configuration: 16M * 16 ADMUX PSRAM |
| | aps1608k * | 16Mb | Configuration: 2M * 8 OPIDDR PSRAM |
| | aps3208k * | 32Mb | Configuration: 4M * 8 OPIDDR PSRAM |
| | aps6408k * | 64Mb | Configuration: 8M * 8 OPIDDR PSRAM |
| | aps12808k * | 128Mb | Configuration: 16M * 8 OPIDDR PSRAM |
| BETA | aps1608l * | 16Mb | Configuration: 2M * 8 DDR Octal SPI PSRAM |
| BETA | aps3208l * | 32Mb | Configuration: 4M * 8 DDR Octal SPI PSRAM |
| BETA | aps6408l * | 64Mb | Configuration: 8M * 8 DDR Octal SPI PSRAM |
| BETA | aps12808l * | 128Mb | Configuration: 16M * 8 DDR Octal SPI PSRAM |
| BETA | aps25608l * | 256Mb | Configuration: 32M * 8 DDR Octal SPI PSRAM |
| Winbond | | | |
| | w955d8mky | 32Mb | Configuration: 1k x 4096 PSRAM |
| JSC | | | |
| | jsc64ssp8agdy | 64Mb | Configuration: 8K x 1k x 8bits OctaRAM |
| | jsc64ssu8agdy | 64Mb | Configuration: 8K x 1k x 8bits OctaRAM |
| | jsc28ssp8agdy | 128Mb | Configuration: 16K x 1k x 8bits OctaRAM |
| | jsc28ssu8agdy | 128Mb | Configuration: 16K x 1k x 8bits OctaRAM |

*Please contact Cadence emulation support team or MMP product team to arrange for use of these models.
These models are not in the MMP release as they require additional permission.

UTRAM

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|-------|---|
| Samsung | | | |
| | k1b1616b2b | 16Mb | Configuration: 1M * 16 UtrAM (Async/Burst) |
| | k1b3216bdd | 32Mb | Configuration: 2M * 16 UtrAM (Async/Burst) |
| | k1b6416b6c | 64Mb | Configuration: 4M * 16 UtrAM (Async/Burst) |
| | k1b2816b2a | 128Mb | Configuration: 8M * 16 UtrAM (Async/Burst) |
| | k1b5616b2m | 256Mb | Configuration: 16M * 16 UtrAM (Async/Burst) |

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| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|-------|---|
| Samsung | | | |
| | k1c3216bff | 32Mb | Configuration: 2M * 16 UtrAM (Async/Burst) |
| | k1c3216bkf | 32Mb | Configuration: 2M * 16 UtrAM (Async/Burst) |
| | k1c6416bff | 64Mb | Configuration: 4M * 16 UtrAM (Async/Burst) |
| | k1c6416bkf | 64Mb | Configuration: 4M * 16 UtrAM (Async/Burst) |
| | k1c2816bfc | 128Mb | Configuration: 8M * 16 UtrAM (Async/Burst) |
| | k1c2816bkc | 128Mb | Configuration: 8M * 16 UtrAM (Async/Burst) |
| | k1c5616bkb | 256Mb | Configuration: 16M * 16 UtrAM (Async/Burst) |

OneNAND

| Manufacturer | Model Name | Size | Configuration |
|----------------|-------------|-------|---|
| Samsung | | | |
| | kfm1216q2m | 512Mb | Configuration: 256 + 8 words/sector; 4 sectors/page; 64 pages/block; 512 blocks SLC |
| | kfm1g16q2m | 1Gb | Configuration: 256 + 8 words/sector; 4 sectors/page; 64 pages/block; 1k blocks SLC |
| | kfm2g16q2m | 2Gb | Configuration: 256 + 8 words/sector; 4 sectors/page; 64 pages/block; 2k blocks SLC |
| | kfm4g16q4m | 2Gb | Configuration: 256 + 8 words/sector; 8 sectors/page; 64 pages/block; 2k blocks SLC |
| | kfm8g16q5m | 2Gb | Configuration: 256 + 8 words/sector; 8 sectors/page; 64 pages/block; 4k blocks SLC |
| Toshiba | | | |
| | tc58rym9s8e | 512Mb | Configuration: 256 + 8 words/sector; 4 sectors/page; 64 pages/block; 512 blocks SLC |

NAND Flash

| Manufacturer | Model Name | Size | Configuration |
|----------------|--------------|------------|--|
| Numonyx | | 1.4 | |
| | nand04gw3f2e | 4Gb | Configuration: 4Gx8 NAND Flash Die: 1 Page Size: 4096 bytes Spare Size: 128 bytes Blocks/Die: 2048 Pages/Block: 64 |
| | nand04gw4f2e | 4Gb | Configuration: 4Gx16 NAND Flash Die: 1 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 2048 Pages/Block: 64 |
| | nand08gw3f2e | 8Gb | Configuration: 8Gx8 NAND Flash Die: 2 Page Size: 4096 bytes Spare Size: 128 bytes Blocks/Die: 2048 Pages/Block: 64 |
| | nand08gw4f2e | 8Gb | Configuration: 8Gx16 NAND Flash Die: 2 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 2048 Pages/Block: 64 |
| Micron | | 2.0 | |
| | mt29f1g08a | 1Gb | Configuration: 1Gb (x8) NAND Flash Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 1024 Pages/Block: 64 |
| | mt29f1g16a | 1Gb | Configuration: 1Gb (x16) NAND Flash Die: 1 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 1024 Pages/Block: 64 |
| | mt29f2g08a | 2Gb | Configuration: 2Gb (x8) NAND Flash Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 2048 Pages/Block: 64 |
| | mt29f2g16a | 2Gb | Configuration: 2Gb (x16) NAND Flash Die: 1 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 2048 Pages/Block: 64 |
| | mt29f4g08b | 4Gb | Configuration: 4Gb (x8) NAND Flash Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 4096 Pages/Block: 64 |
| | mt29f4g16b | 4Gb | Configuration: 4Gb (x16) NAND Flash Die: 1 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 4096 Pages/Block: 64 |
| | mt29f8g08f | 8Gb | Configuration: 8Gb (x8) NAND Flash Die: 2 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 4096 Pages/Block: 64 |
| | mt29f8g16f | 8Gb | Configuration: 8Gb (x16) NAND Flash Die: 2 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 4096 Pages/Block: 64 |
| Toshiba | | 1.4 | |
| | tc58nvg1s3b | 2Gb | Configuration: 2Gb - 2112 bytes per page - 8bit interface Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 2048 Pages/Block: 64 |
| | tc58nvg1s4b | 2Gb | Configuration: 2Gb - 1056 words per page - 16bit interface Die: 1 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 2048 Pages/Block: 64 |
| Samsung | | | |
| | k9f1208r0b | 512Mb | Configuration: 512Mb (x8) NAND Flash Die: 1 Page Size: 528 words Spare Size: 16 words Blocks/Die: 4096 Pages/Block: 32 |
| | k9f1g08u0m | 1Gb | Configuration: 1Gb (x8) NAND Flash Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 1024 Pages/Block: 64 |
| | k9f2g08u0m | 2Gb | Configuration: 2Gb (x8) NAND Flash Die: 1 Page Size: 2048 bytes Spare Size: 64 bytes Blocks/Die: 2048 Pages/Block: 64 |
| | k9f2g16u0m | 2Gb | Configuration: 2Gb (x16) NAND Flash Die: 1 Page Size: 1024 words Spare Size: 32 words Blocks/Die: 2048 Pages/Block: 64 |
| | k9f4g08u0m | 4Gb | Configuration: 4Gb (x8) NAND Flash Die: 1 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 4096 Pages/Block: 64 |
| | kf94g08q | 4Gb | Configuration: 512Mb (x8) NAND Flash Die: 1 Page Size: 4096 words Spare Size: 128 words Blocks/Die: 2048 Pages/Block: 64 |
| | kf94g16q | 4Gb | Configuration: 256Mb (x16) NAND Flash Die: 1 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 2048 Pages/Block: 64 |
| | kf88g08q | 8Gb | Configuration: 8Gb (x8) NAND Flash Die: 1 Page Size: 4096 bytes Spare Size: 128 bytes Blocks/Die: 4096 Pages/Block: 64 |
| | kf88g16q | 8Gb | Configuration: 8Gb (x16) NAND Flash Die: 1 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 4096 Pages/Block: 64 |
| | k9k8g08u1m | 8Gb | Configuration: 8Gb (x16) NAND Flash Die: 2 Page Size: 2048 words Spare Size: 64 words Blocks/Die: 4096 Pages/Block: 64 |
| | K9g8g08u0c | 8Gb | Configuration: 8Gb (x8) NAND Flash Die: 1 Page Size: 8192 words Spare Size: 436 words Blocks/Die: 1038 Pages/Block: 128 |

| ONFI 2.1 NAND | | | |
|---------------|------------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | mt29f16g08ababa | 16Gb | Configuration: 16Gb SLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f16g08abcbb | 16Gb | Configuration: 16Gb SLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f32g08cbaba | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f32g08cbabb | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f32g08cbabb | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f32g08afaba | 32Gb | Configuration: 32Gb SLC Die: 2 CE: 2 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f32g08aecbb | 32Gb | Configuration: 32Gb SLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08cfaba | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cfabb | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Common IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08ceaba | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29e64g08cecb | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cecb | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08ajaba | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 2 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08akaba | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 2 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08akcbb | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08amaba | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 4 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08amcbb | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08cjaba | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 2 Common IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cjabb | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 2 Common IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08ckaba | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 2 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29e128g08ckcbb | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08ckcbb | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cmaba | 128Gb | Configuration: 128Gb MLC Die: 1 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29e128g08cmcbb | 128Gb | Configuration: 128Gb MLC Die: 1 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cmcbb | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08auaba | 128Gb | Configuration: 128Gb SLC Die: 8 CE: 4 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08aucbb | 128Gb | Configuration: 128Gb SLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f256g08cuaba | 256Gb | Configuration: 256Gb MLC Die: 8 CE: 4 Separate IO Interface: Async Only Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29e256g08cucbb | 256Gb | Configuration: 256Gb MLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |

| ONFI 2.1 NAND (continued) | | | |
|---------------------------|------------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29f256g08cucbb | 256Gb | Configuration: 256Gb MLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 4096 bytes Spare Size: 224 bytes Blocks/Die: 4096 Pages/Block: 256 |

| ONFI 2.2 NAND | | | |
|---------------|------------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29f64g08cbaaa | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cbaab | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cbcab | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08ceaaa | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cecab | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cbcab | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cbcab | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cjaaa | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cjaab | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08ckaaa | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08ckcab | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cmaaa | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cmcab | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f512g08cuaaa | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f512g08cucab | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f32g08abaaa | 32Gb | Configuration: 32Gb SLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f32g08abcab | 32Gb | Configuration: 32Gb SLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08afaaa | 64Gb | Configuration: 64Gb SLC Die: 2 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f64g08aecab | 64Gb | Configuration: 64Gb SLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08ajaaa | 128Gb | Configuration: 128Gb SLC Die: 4 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08akaaa | 128Gb | Configuration: 128Gb SLC Die: 4 CE: 2 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08akcab | 128Gb | Configuration: 128Gb SLC Die: 4 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08amaaa | 128Gb | Configuration: 128Gb SLC Die: 4 CE: 4 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f128g08amcab | 128Gb | Configuration: 128Gb SLC Die: 4 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f256g08auaaa | 256Gb | Configuration: 256Gb SLC Die: 8 CE: 4 Separate IO Interface: Async Only Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29f256g08aucab | 256Gb | Configuration: 256Gb SLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 448 bytes Blocks/Die: 4096 Pages/Block: 128 |

| ONFI 2.3 NAND | | | |
|---------------|------------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29f32g08cbada | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 2128 Pages/Block: 256 |
| | mt29f32g08cbadb | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 2128 Pages/Block: 256 |
| | mt29f32g08cbadb | 32Gb | Configuration: 32Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 2128 Pages/Block: 256 |
| | mt29f64g08ceadb | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 2128 Pages/Block: 256 |
| | mt29f64g08cbaba | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cbabb | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f64g08cbabb | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cfaba | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08cfabb | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f128g08ceabb | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cjaba | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Common IO Interface: Async Only Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cjabb | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Common IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08ckabb | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f256g08cmabb | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29f512g08cucbb | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 Separate IO Interface: Sync/Async Page Size: 8192 bytes Spare Size: 744 bytes Blocks/Die: 4096 Pages/Block: 256 |

| ONFI 3.0 NAND | | | |
|---------------|-------------------|--------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29f64g08cbcdb | 64Gb | Configuration: 64Gb MLC+ Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f128g08cecdb | 128Gb | Configuration: 128Gb MLC+ Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f128g08cbcab | 128Gb | Configuration: 128Gb MLC Die: 1 CE: 1 Target Page Size: 16384 bytes Spare Size: 1218 bytes Blocks/Die: 2048 Pages/Block: 512 |
| | mt29f192g08cgcdb | 192Gb | Configuration: 192Gb MLC+ Die: 3 CE: 3 Separate-3 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f256g08ckcdb | 256Gb | Configuration: 256Gb MLC+ Die: 4 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f256g08cecab | 256Gb | Configuration: 256Gb MLC Die: 1 CE: 2 Target Page Size: 16384 bytes Spare Size: 1218 bytes Blocks/Die: 2048 Pages/Block: 512 |
| | mt29f256g08cmcdb | 256Gb | Configuration: 256Gb MLC+ Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f512g08cucda | 512Gb | Configuration: 512Gb MLC+ Die: 8 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f512g08ckcab | 512Gb | Configuration: 512Gb MLC Die: 2 CE: 2 Target Page Size: 16384 bytes Spare Size: 1218 bytes Blocks/Die: 2048 Pages/Block: 512 |
| | mt29f512g08cmcab | 512Gb | Configuration: 512Gb MLC Die: 1 CE: 4 Target Page Size: 16384 bytes Spare Size: 1218 bytes Blocks/Die: 2048 Pages/Block: 512 |
| | mt29f1024g08cucab | 1024Gb | Configuration: 1024Gb MLC Die: 2 CE: 4 Target Page Size: 16384 bytes Spare Size: 1218 bytes Blocks/Die: 2048 Pages/Block: 512 |
| | mt29f128g08cbcb | 128Gb | Configuration: 128Gb MLC+ Die: 1 CE: 1 Target Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f256g08cecb | 256Gb | Configuration: 256Gb MLC+ Die: 1 CE: 2 Target - 2 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08ckcb | 512Gb | Configuration: 512Gb MLC+ Die: 2 CE: 2 Target - 2 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08cmcb | 512Gb | Configuration: 512Gb MLC+ Die: 1 CE: 4 Target - 2 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08ctcb | 1024Gb | Configuration: 1024Gb MLC+ Die: 2 CE: 4 Target - 4 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08cucb | 1024Gb | Configuration: 1024Gb MLC+ Die: 2 CE: 4 Target - 2 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f2t08cvcbb | 2048Gb | Configuration: 2048Gb MLC+ Die: 2 CE: 8 Target - 4 Channel Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08cvcdb | 1Tb | Configuration: 1Tb MLC+ Die: 16 CE: 8 Separate-4 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 1048 Pages/Block: 512 |
| | mt29f1t08cqcb | 1Tb | Configuration: 1Tb MLC+ Die: 8 CE: 4 Separate-4 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f2t08ctcb | 2Tb | Configuration: 2Tb MLC+ Die: 16 CE: 8 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1216 bytes Blocks/Die: 2096 Pages/Block: 512 |

| ONFI 3.2 NAND | | | |
|---------------|------------------|-------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | mt29f128g08cbeeb | 128Gb | Configuration: 128Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f128g08cbccb | 128Gb | Configuration: 128Gb MLC+ Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f256g08ceecb | 256Gb | Configuration: 256Gb MLC Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f256g08ceccb | 256Gb | Configuration: 256Gb MLC+ Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08ckecb | 512Gb | Configuration: 512Gb MLC Die: 4 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08ckccb | 512Gb | Configuration: 512Gb MLC+ Die: 4 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08cmecb | 512Gb | Configuration: 512Gb MLC Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08cmcb | 512Gb | Configuration: 512Gb MLC+ Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f512g08clccb | 512Gb | Configuration: 512Gb MLC+ Die: 4 CE: 4 Separate-4 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08cuecb | 1Tb | Configuration: 1Tb MLC Die: 8 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08cqccb | 1Tb | Configuration: 1Tb MLC+ Die: 8 CE: 4 Separate-4 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f1t08cuccb | 1Tb | Configuration: 1Tb MLC+ Die: 8 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f2t08cvecb | 2Tb | Configuration: 2Tb MLC Die: 16 CE: 8 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f2t08ctccb | 2Tb | Configuration: 2Tb MLC+ Die: 16 CE: 8 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |
| | mt29f2t08cvccb | 2Tb | Configuration: 2Tb MLC+ Die: 16 CE: 8 Separate-4 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 1872 bytes Blocks/Die: 2096 Pages/Block: 512 |

| ONFI 4.0 NAND | | | |
|-----------------|-------------------------|--------------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29f384g08ebcbb | 384Gb | Configuration: 384Gb TLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| | mt29f768g08eecbb | 768Gb | Configuration: 768Gb TLC Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| | mt29f1ht08emcbb | 1536Gb | Configuration: 1536Gb TLC Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| | mt29f1ht08ekcbb | 1536Gb | Configuration: 1536Gb TLC Die: 4 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| | mt29f3t08eucbb | 3072Gb | Configuration: 3072Gb TLC Die: 8 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| | mt29f6t08etcbb | 6144Gb | Configuration: 6144Gb TLC Die: 16 CE: 8 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1536 |
| MMP_PLUS | mt29f512g08ebhaf | 512Gb | B17A Fortisflash: Configuration: 512Gb TLC Die: 1 CE: 1 R/B: 1 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2016 Pages/Block: 2304 |
| MMP_PLUS | mt29f1t08eehaf | 1Tb | B17A Fortisflash: Configuration: 1Tb TLC Die: 2 CE: 2 R/B: 2 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2016 Pages/Block: 2304 |
| MMP_PLUS | mt29f2t08emhaf | 2Tb | B17A Fortisflash: Configuration: 2Tb TLC Die: 4 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2016 Pages/Block: 2304 |
| MMP_PLUS | mt29f4t08euhaf | 4Tb | B17A Fortisflash: Configuration: 4Tb TLC Die: 8 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2016 Pages/Block: 2304 |
| MMP_PLUS | mt29f8t08ewhaf | 8Tb | B17A Fortisflash: Configuration: 8Tb TLC Die: 16 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2016 Pages/Block: 2304 |
| MMP_PLUS | mt29f256g08ebhaf | 256Gb | B16A Fortisflash: Configuration: 256Gb TLC Die: 1 CE: 1 R/B: 1 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 1008 Pages/Block: 2304 |
| MMP_PLUS | mt29f512g08eehaf | 512Gb | B16A Fortisflash: Configuration: 512Gb TLC Die: 2 CE: 2 R/B: 2 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 1008 Pages/Block: 2304 |
| MMP_PLUS | mt29f1t08emhaf | 1Tb | B16A Fortisflash: Configuration: 1Tb TLC Die: 4 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 1008 Pages/Block: 2304 |
| | mt29f256g08cbcbb | 256Gb | Configuration: 256Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f256g08cbhbb | 256Gb | Configuration: 256Gb MLC Die: 1 CE: 1 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f512g08cecbb | 512Gb | Configuration: 512Gb MLC Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f512g08cfcbb | 512Gb | Configuration: 512Gb MLC Die: 2 CE: 2 Common IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f512g08cehbb | 512Gb | Configuration: 512Gb MLC Die: 2 CE: 2 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f1t08cmcbb | 1Tb | Configuration: 1Tb MLC Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f1t08cmhbb | 1Tb | Configuration: 1Tb MLC Die: 4 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f2t08cuhbb | 2Tb | Configuration: 2Tb MLC Die: 8 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |
| | mt29f4t08cthbb | 4Tb | Configuration: 4Tb MLC Die: 16 CE: 4 Separate-2 Ch IO Interface: Sync/Async Page Size: 16384 bytes Spare Size: 2208 bytes Blocks/Die: 2192 Pages/Block: 1024 |

| Toggle DDR | | | |
|--------------|------------|-------|---|
| Manufacturer | Model Name | Size | Configuration |
| Samsung | | | |
| | k9lcmd8x1m | 64Gb | Configuration: 64Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 512 bytes Blocks/Die: 4152 Pages/Block: 128 |
| | k9hdgd8x5m | 128Gb | Configuration: 128Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 512 bytes Blocks/Die: 4152 Pages/Block: 128 |
| | k9kdgd8x7m | 128Gb | Configuration: 128Gb MLC Die: 8 CE: 8 R/B: 8 Page Size: 8192 bytes Spare Size: 512 bytes Blocks/Die: 4152 Pages/Block: 128 |
| | k9pfgd8x7m | 256Gb | Configuration: 256Gb MLC Die: 8 CE: 8 R/B: 4 Page Size: 8192 bytes Spare Size: 512 bytes Blocks/Die: 4152 Pages/Block: 128 |
| | k9pfgd8x5m | 256Gb | Configuration: 256Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 512 bytes Blocks/Die: 4152 Pages/Block: 128 |
| | k9kbgd8x1m | 32Gb | Configuration: 32Gb SLC Die: 2 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4152 Pages/Block: 64 |
| | k9wcgd8x5m | 64Gb | Configuration: 64Gb SLC Die: 4 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4152 Pages/Block: 64 |
| | k9qdg8x5m | 128Gb | Configuration: 128Gb SLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4152 Pages/Block: 64 |

| Toggle DDR 2.0 | | | |
|----------------|-------------|----------|--|
| Manufacturer | Model Name | Size | Configuration |
| Samsung | | | |
| | k9gcbd8x0a | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9ldgx8x1a | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9hfgy8x5a | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9phgy8x5a | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9phgy8x7a | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 8 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9gcbd8x0m | 64Gb | Configuration: 64Gb MLC Die: 1 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9ldgx8x0m | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9hfgd8x0m | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9hfgd8x1m | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9phgd8x1m | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| | k9phgd8x5m | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 8192 Pages/Block: 128 |
| Toshiba | | | |
| | th58teg7d2h | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4164 Pages/Block: 256 |
| | th58teg8d2h | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4164 Pages/Block: 256 |
| | th58teg9d2h | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 640 bytes Blocks/Die: 4164 Pages/Block: 256 |
| | th58teg7e2h | 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 4156 Pages/Block: 256 |
| | th58teg8e2h | 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 4156 Pages/Block: 256 |
| | th58teg9e2h | 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 8192 bytes Spare Size: 1024 bytes Blocks/Die: 4156 Pages/Block: 256 |
| | th58teg7ddj | * 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2116 Pages/Block: 256 |
| | th58teg8ddj | * 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2116 Pages/Block: 256 |
| | th58teg9ddj | * 512Gb | Configuration: 512Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2116 Pages/Block: 256 |
| | th58tfg8efk | * 256Gb | Configuration: 256Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 4276 Pages/Block: 256 |
| | th58tfg9efk | * 512Gb | Configuration: 512Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 4276 Pages/Block: 256 |
| | th58tft0efk | * 1024Gb | Configuration: 1024Gb MLC Die: 8 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 4276 Pages/Block: 256 |
| | th58teg7ddk | * 128Gb | Configuration: 128Gb MLC Die: 2 CE: 2 R/B: 2 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2132 Pages/Block: 256 |
| | th58teg8ddk | * 256Gb | Configuration: 256Gb MLC Die: 4 CE: 4 R/B: 4 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2132 Pages/Block: 256 |
| | th58teg9ddk | * 512Gb | Configuration: 512Gb MLC Die: 8 CE: 8 R/B: 8 Page Size: 16384 bytes Spare Size: 1280 bytes Blocks/Die: 2132 Pages/Block: 256 |

*Please contact Cadence emulation support team or MMP product team to arrange for use of these models.
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| Toggle DDR 2.0 | | | |
|----------------|-----------------|----------|--|
| Manufacturer | Model Name | Size | Configuration |
| Toshiba | | | |
| | th58tfg9t23ba4c | * 512Gb | Configuration: 512Gb TLC Die: 1 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tft0t23ba8c | * 1024Gb | Configuration: 1024Gb TLC Die: 1 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tft1t23ba8h | * 2048Gb | Configuration: 2048Gb TLC Die: 2 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | tc58tfg8t23ta0d | * 256Gb | Configuration: 256Gb TLC Die: 1 CE: 1 R/B: 1 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tfg9t23ta2d | * 512Gb | Configuration: 512Gb TLC Die: 1 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tft0t23ta2h | * 1024Gb | Configuration: 1024Gb TLC Die: 2 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tfg9t22ba4c | * 512Gb | Configuration: 512Gb TLC Die: 1 CE: 2 R/B: 2 TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3944 Pages/Block: 576 |
| | th58tfg9v23ba4c | * 512Gb | Configuration: 512Gb TLC Die: 1 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tft0t22ba8c | * 1024Gb | Configuration: 1024Gb TLC Die: 1 CE: 4 R/B: 4 TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3944 Pages/Block: 576 |
| | th58tft1t22ba8h | * 2048Gb | Configuration: 2048Gb TLC Die: 2 CE: 4 R/B: 4 TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3944 Pages/Block: 576 |
| | th58tft2t22ba8p | * 4096Gb | Configuration: 4096Gb TLC Die: 4 CE: 4 R/B: 4 TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3944 Pages/Block: 576 |
| | th58tft0t23ba4k | * 1024Gb | Configuration: 1024Gb TLC Die: 1 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 5916 Pages/Block: 768 |
| | th58tft1t23ba8k | * 2048Gb | Configuration: 2048Gb TLC Die: 1 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 5916 Pages/Block: 768 |
| | th58tft2t23ba8j | * 4096Gb | Configuration: 4096Gb TLC Die: 2 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 5916 Pages/Block: 768 |
| | th58tft0v23ba8c | * 1024Gb | Configuration: 1024Gb TLC Die: 1 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tft1v23ba8h | * 2048Gb | Configuration: 2048Gb TLC Die: 2 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 2956 Pages/Block: 768 |
| | th58tgt2v23bb2j | * 4096Gb | Configuration: 4096Gb TLC Die: 8 CE: 2 R/B: 2 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 5916 Pages/Block: 768 |
| | th58tgt3v23bb8n | * 8192Gb | Configuration: 4096Gb TLC Die: 16 CE: 4 R/B: 4 3rd Gen TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 5916 Pages/Block: 768 |

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These models are not in the MMP release as they require additional permission.

| Toggle DDR 3.0 | | | | |
|-------------------------|-----------------|------|---------------|--|
| Manufacturer Model Name | | Size | Configuration | |
| Toshiba | | | | |
| MMP_PLUS | th58ljt0t24ba4c | * | 1024Gb | Configuration: 1024Gb TLC Die: 2 CE: 2 R/B: 2 4th Gen (BiCS4) TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3916 Pages/Block: 1152 |
| MMP_PLUS | th58ljt1t24ba8c | * | 2048Gb | Configuration: 2048Gb TLC Die: 4 CE: 4 R/B: 4 4th Gen (BiCS4) TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3916 Pages/Block: 1152 |
| MMP_PLUS | th58ljt2t24ba8h | * | 4096Gb | Configuration: 4096Gb TLC Die: 8 CE: 4 R/B: 4 4th Gen (BiCS4) TLC NAND Page Size: 16384 bytes Spare Size: 1952 bytes Blocks/Die: 3916 Pages/Block: 1152 |

*Please contact Cadence emulation support team or MMP product team to arrange for use of these models.
These models are not in the MMP release as they require additional permission.

| EF3.0-NAND | | | |
|--------------|------------|------|--|
| Manufacturer | Model Name | Size | Configuration |
| Samsung | | | |
| BETA | kleb4gw1m | 32GB | Configuration: 256Gb MLC CAU: 8 CE: 2 R/B: 2 Page Size: 8192 bytes Spare Size: 32 bytes Blocks/CAU: 2048 Pages/Block: 128 |

| Enhanced ClearNAND | | | |
|--------------------|-----------------|------|--|
| Manufacturer | Model Name | Size | Configuration |
| Micron | | | |
| | mt29fen16gdkbaa | 64Gb | Configuration: 64Gb MLC Die: 8 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 128 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29fen16gdebaa | 32Gb | Configuration: 32Gb MLC Die: 4 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 128 bytes Blocks/Die: 4096 Pages/Block: 256 |
| | mt29fen32ggkbaa | 32Gb | Configuration: 32Gb SLC Die: 8 CE: 8 R/B: 1 Page Size: 8192 bytes Spare Size: 128 bytes Blocks/Die: 4096 Pages/Block: 128 |
| | mt29fen16ggebaa | 16Gb | Configuration: 16Gb SLC Die: 4 CE: 1 R/B: 1 Page Size: 8192 bytes Spare Size: 128 bytes Blocks/Die: 4096 Pages/Block: 128 |

| LBA-NAND | | | |
|--------------|------------|------|--|
| Manufacturer | Model Name | Size | Configuration |
| Toshiba | mlba02g8p | 2Gb | Toshiba 2Gb mLBA-NAND Flash memory (x8) with Optional Power-On mode |
| | mlba02g8s | 2Gb | Toshiba 2Gb mLBA-NAND Flash memory (x8) without Optional Power-On mode |
| | mlba02g16p | 2Gb | Toshiba 2Gb mLBA-NAND Flash memory (x16) with Optional Power-On mode |
| | mlba02g16s | 2Gb | Toshiba 2Gb mLBA-NAND Flash memory (x16) without Optional Power-On mode |
| | mlba04g8p | 4Gb | Toshiba 4Gb mLBA-NAND Flash memory (x8) with Optional Power-On mode |
| | mlba04g8s | 4Gb | Toshiba 4Gb mLBA-NAND Flash memory (x8) without Optional Power-On mode |
| | mlba04g16p | 4Gb | Toshiba 4Gb mLBA-NAND Flash memory (x16) with Optional Power-On mode |
| | mlba04g16s | 4Gb | Toshiba 4Gb mLBA-NAND Flash memory (x16) without Optional Power-On mode |
| | mlba08g8p | 8Gb | Toshiba 8Gb mLBA-NAND Flash memory (x8) with Optional Power-On mode |
| | mlba08g8s | 8Gb | Toshiba 8Gb mLBA-NAND Flash memory (x8) without Optional Power-On mode |
| | mlba08g16p | 8Gb | Toshiba 8Gb mLBA-NAND Flash memory (x16) with Optional Power-On mode |
| | mlba08g16s | 8Gb | Toshiba 8Gb mLBA-NAND Flash memory (x16) without Optional Power-On mode |
| | mlba16g8p | 16Gb | Toshiba 16Gb mLBA-NAND Flash memory (x8) with Optional Power-On mode |
| | mlba16g8s | 16Gb | Toshiba 16Gb mLBA-NAND Flash memory (x8) without Optional Power-On mode |
| | mlba16g16p | 16Gb | Toshiba 16Gb mLBA-NAND Flash memory (x16) with Optional Power-On mode |
| | mlba16g16s | 16Gb | Toshiba 16Gb mLBA-NAND Flash memory (x16) without Optional Power-On mode |
| | mlba32g8p | 32Gb | Toshiba 32Gb mLBA-NAND Flash memory (x8) with Optional Power-On mode |
| | mlba32g8s | 32Gb | Toshiba 32Gb mLBA-NAND Flash memory (x8) without Optional Power-On mode |
| | mlba32g16p | 32Gb | Toshiba 32Gb mLBA-NAND Flash memory (x16) with Optional Power-On mode |
| | mlba32g16s | 32Gb | Toshiba 32Gb mLBA-NAND Flash memory (x16) without Optional Power-On mode |

NOR Flash

| Manufacturer | Model Name | Size | Configuration |
|---|---------------|-------|--|
| Spansion | | | |
| | s29gl01gp | 1Gb | Configuration: 1Gb (x8/x16) NOR Flash |
| | s29gl032n | 32Mb | Configuration: 32Mb (x8/x16) NOR Flash |
| | s29gl064n | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash |
| | s29gl128n | 128Mb | Configuration: 3128Mb (x8/x16) NOR Flash |
| | s29gl128p | 128Mb | Configuration: 3128Mb (x8/x16) NOR Flash |
| | s29gl256n | 256Mb | Configuration: 256Mb (x8/x16) NOR Flash |
| | s29gl256p | 256Mb | Configuration: 256Mb (x8/x16) NOR Flash |
| | s29gl512n | 512Mb | Configuration: 512Mb (x8/x16) NOR Flash |
| | s29gl512p | 512Mb | Configuration: 512Mb (x8/x16) NOR Flash |
| | s70gl01gn | 1Gb | Configuration: 1Gb (x8/x16) NOR Flash |
| | s70gl02gp | 2Gb | Configuration: 2Gb (x8/x16) NOR Flash |
| Numonyx | | | |
| | m29w400dt | 4Mb | Configuration: 4Mb (x8/x16) NOR Flash |
| | m29w400db | 4Mb | Configuration: 4Mb (x8/x16) NOR Flash |
| | m29w800dt | 8Mb | Configuration: 8Mb (x8/x16) NOR Flash |
| | m29w800db | 8Mb | Configuration: 8Mb (x8/x16) NOR Flash |
| | m29w160et | 16Mb | Configuration: 16Mb (x8/x16) NOR Flash |
| | m29w160eb | 16Mb | Configuration: 16Mb (x8/x16) NOR Flash |
| | m29w320dt | 32Mb | Configuration: 32Mb (x8/x16) NOR Flash |
| | m29w320db | 32Mb | Configuration: 32Mb (x8/x16) NOR Flash |
| | m29w320et | 32Mb | Configuration: 32Mb (x8/x16) NOR Flash with Write Buffer and Ext Block |
| | m29w320eb | 32Mb | Configuration: 32Mb (x8/x16) NOR Flash with Write Buffer and Ext Block |
| | m29w640ft | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w640fb | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w640gt | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w640gb | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w640gh | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w640gl | 64Mb | Configuration: 64Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w128gh | 128Mb | Configuration: 128Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w128gl | 128Mb | Configuration: 128Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| | m29w256gh | 256Mb | Configuration: 256Mb (x8/x16) NOR Flash with Enhanced Write Buffer and Ext Block |
| Numonyx Axcell | | | |
| | xx28f256m29ew | 256Mb | Configuration: 256Mb - 64Mx16/128Mx8 - 256 Sectors - 128kbytes per sector |
| | xx28f512m29ew | 512Mb | Configuration: 512Mb - 64Mx16/128Mx8 - 512 Sectors - 128kbytes per sector |
| | xx28f00am29ew | 1Gb | Configuration: 1Gb - 64Mx16/128Mx8 - 1024 Sectors - 128kbytes per sector |
| | xx28f00bm29ew | 2Gb | Configuration: 2Gb - 64Mx16/128Mx8 - 2048 Sectors - 128kbytes per sector |
| Note: xx above refers to one of the following voltage/package options "js", "pc" or "rc" | | | |

SPI Flash

| Manufacturer | Model Name | Size | Configuration |
|-----------------|------------|-------|---|
| Numonyx | | | |
| | m25p05a | 512kb | Configuration: 64k * 8 Serial Flash |
| | m25p10a | 1Mb | Configuration: 128k * 8 Serial Flash |
| | m25p20 | 2Mb | Configuration: 256k * 8 Serial Flash |
| | m25p40 | 4Mb | Configuration: 512k * 8 Serial Flash |
| | m25p80 | 8Mb | Configuration: 1M * 8 Serial Flash |
| | m25p16 | 16Mb | Configuration: 2M * 8 Serial Flash |
| | m25p32 | 32Mb | Configuration: 4M * 8 Serial Flash |
| | m25p64 | 64Mb | Configuration: 8M * 8 Serial Flash |
| | m25p128 | 128Mb | Configuration: 16M * 8 Serial Flash |
| | m25pe10 | 1Mb | Configuration: 128k * 8 Serial Flash with Page Erase |
| | m25pe20 | 2Mb | Configuration: 256k * 8 Serial Flash with Page Erase |
| | m25pe40 | 4Mb | Configuration: 512k * 8 Serial Flash with Page Erase |
| | m25pe80 | 8Mb | Configuration: 1M * 8 Serial Flash with Page Erase |
| | m25pe16 | 16Mb | Configuration: 2M * 8 Serial Flash with Page Erase |
| | m25px80 | 8Mb | Configuration: 1M * 8 Serial Flash with Dual IO |
| | m25px16 | 16Mb | Configuration: 2M * 8 Serial Flash with Dual IO |
| | m25px32 | 32Mb | Configuration: 4M * 8 Serial Flash with Dual IO |
| | m25px64 | 64Mb | Configuration: 8M * 8 Serial Flash with Dual IO |
| | m45pe10 | 1Mb | Configuration: 128k * 8 Serial Flash with Page Erase and Write buffer |
| | m45pe20 | 2Mb | Configuration: 256k * 8 Serial Flash with Page Erase and Write buffer |
| | m45pe40 | 4Mb | Configuration: 512k * 8 Serial Flash with Page Erase and Write buffer |
| | m45pe80 | 8Mb | Configuration: 1M * 8 Serial Flash with Page Erase and Write buffer |
| | m45pe16 | 16Mb | Configuration: 2M * 8 Serial Flash with Page Erase and Write buffer |
| Macronix | | | |
| | mx25l5126e | 512kb | Configuration: 64k * 8 Serial Flash |
| | mx25l1006e | 1Mb | Configuration: 128k * 8 Serial Flash |
| | mx25l2006e | 2Mb | Configuration: 256k * 8 Serial Flash |
| | mx25l4006e | 4Mb | Configuration: 512k * 8 Serial Flash |
| | mx25l8006e | 8Mb | Configuration: 1M * 8 Serial Flash |
| | mx25l1606e | 16Mb | Configuration: 2M * 8 Serial Flash |
| | mx25l3206e | 32Mb | Configuration: 4M * 8 Serial Flash |
| | mx25l6406e | 64Mb | Configuration: 8M * 8 Serial Flash |

SPI NAND

| Manufacturer | Model Name | Size | Configuration |
|-------------------|---------------------|-------------|--|
| Micron | | | |
| | mt29f1g01aaadd | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | mt29f2g01aaaed | 2 Gb | 2Gb (2048 blocks x 64 pages x 2112 bytes) |
| | mt29f4g01aaadd | 4 Gb | 4Gb (4096 blocks x 64 pages x 2112 bytes) |
| Macronix | | | |
| | mx35lf1ge4ab | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | mx35lf2ge4ab | 2 Gb | 2Gb (2048 blocks x 64 pages x 2112 bytes) |
| Winbond | | | |
| | w25n01gvxxig | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | w25n01gvxxit | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | w25n01gwxxig | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | w25n01gwxxit | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| | w25m02gvxxig | 2 Gb | 2Gb (2 dies x 1024 blocks x 64 pages x 2112 bytes) |
| | w25m02gvxxit | 2 Gb | 2Gb (2 dies x 1024 blocks x 64 pages x 2112 bytes) |
| | w25m02gwxxig | 2 Gb | 2Gb (2 dies x 1024 blocks x 64 pages x 2112 bytes) |
| | w25m02gwxxit | 2 Gb | 2Gb (2 dies x 1024 blocks x 64 pages x 2112 bytes) |
| BETA | w25n01jwxxig | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| BETA | w25n01jwxxit | 1 Gb | 1Gb (1024 blocks x 64 pages x 2112 bytes) |
| GigaDevice | | | |
| | gd5f1gq4rb | 1 Gb | 1Gb (1024 blocks x 64 pages x 2176 bytes) |
| | gd5f1gq4rc | 1 Gb | 1Gb (1024 blocks x 64 pages x 2176 bytes) |
| | gd5f1gq4ub | 1 Gb | 1Gb (1024 blocks x 64 pages x 2176 bytes) |
| | gd5f1gq4uc | 1 Gb | 1Gb (1024 blocks x 64 pages x 2176 bytes) |
| | gd5f2gq4rb | 2 Gb | 2Gb (2048 blocks x 64 pages x 2176 bytes) |
| | gd5f2gq4rc | 2 Gb | 2Gb (2048 blocks x 64 pages x 2176 bytes) |
| | gd5f2gq4ub | 2 Gb | 2Gb (2048 blocks x 64 pages x 2176 bytes) |
| | gd5f2gq4uc | 2 Gb | 2Gb (2048 blocks x 64 pages x 2176 bytes) |
| | gd5f4gq4rb | 4 Gb | 4Gb (2048 blocks x 64 pages x 4352 bytes) |
| | gd5f4gq4rc | 4 Gb | 4Gb (2048 blocks x 64 pages x 4352 bytes) |
| | gd5f4gq4ub | 4 Gb | 4Gb (2048 blocks x 64 pages x 4352 bytes) |
| | gd5f4gq4uc | 4 Gb | 4Gb (2048 blocks x 64 pages x 4352 bytes) |

Quad SPI Flash

Micron Quad SPI (Numonyx)

| | | | |
|------|--------------|-------|---|
| | * n25q032 | 32Mb | Configuration: 4M * 8 Serial Flash with Quad IO (addr size 24b) |
| | * n25q064 | 64Mb | Configuration: 8M * 8 Serial Flash with Quad IO (addr size 24b) |
| | * n25q128 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO (addr size 24b) |
| | * n25q256a13 | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b) |
| | * n25q256a33 | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b) |
| | * n25q256a11 | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b) |
| | * n25q256a31 | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b) |
| | * n25q512 | 512Mb | Configuration: 64M * 8 Serial Flash with Quad IO (addr size 32b) |
| | * n25q00a | 1Gb | Configuration: 128M * 8 Serial Flash with Quad IO (addr size 32b) |
| BETA | mt25qu128aba | 128Mb | Configuration: 128Mb - 4KB x 16 Sectors x 256 Blocks (addr size 24b) |
| BETA | mt25ql128aba | 128Mb | Configuration: 128Mb - 4KB x 16 Sectors x 256 Blocks (addr size 24b) |
| BETA | mt25qu256aba | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 512 Blocks (addr size 32b) |
| BETA | mt25ql256aba | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 512 Blocks (addr size 32b) |
| BETA | mt25qu512abb | 512Mb | Configuration: 512Mb - 4KB x 16 Sectors x 1024 Blocks (addr size 32b) |
| BETA | mt25ql512abb | 512Mb | Configuration: 512Mb - 4KB x 16 Sectors x 1024 Blocks (addr size 32b) |
| BETA | mt25qu01gbbb | 1Gb | Configuration: 1Gb - 4KB x 16 Sectors x 2048 Blocks (addr size 32b) |
| BETA | mt25ql01gbbb | 1Gb | Configuration: 1Gb - 4KB x 16 Sectors x 2048 Blocks (addr size 32b) |
| BETA | mt25qu02gcbb | 2Gb | Configuration: 2Gb - 4KB x 16 Sectors x 4096 Blocks (addr size 32b) |
| BETA | mt25ql02gcbb | 2Gb | Configuration: 2Gb - 4KB x 16 Sectors x 4096 Blocks (addr size 32b) |
| BETA | mt25tu256 | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 256 Blocks x 2 Dies (addr size 24b) |
| BETA | mt25tl256 | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 256 Blocks x 2 Dies (addr size 24b) |
| BETA | mt25tu512 | 512Mb | Configuration: 512Mb - 4KB x 16 Sectors x 512 Blocks x 2 Dies (addr size 32b) |
| BETA | mt25tl512 | 512Mb | Configuration: 512Mb - 4KB x 16 Sectors x 512 Blocks x 2 Dies (addr size 32b) |
| BETA | mt25tu01g | 1Gb | Configuration: 1Gb - 4KB x 16 Sectors x 1024 Blocks x 2 Dies (addr size 32b) |
| BETA | mt25tl01g | 1Gb | Configuration: 1Gb - 4KB x 16 Sectors x 1024 Blocks x 2 Dies (addr size 32b) |

Spanion Quad SPI

| | | | |
|--|---------------|-------|---|
| | * s25fl032p | 32Mb | Configuration: 4M * 8 Serial Flash with Quad IO (addr size 24b) |
| | * s25fl064p | 64Mb | Configuration: 8M * 8 Serial Flash with Quad IO (addr size 24b) |
| | * s25fl128px0 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 64k Sector (addr size 24b) |
| | * s25fl128px1 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 256k Sector (addr size 24b) |
| | * s25fl129px0 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 64k Sector (addr size 24b) |
| | * s25fl129px1 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 256k Sector (addr size 24b) |
| | * S25fl128s | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |
| | * S25fl256s | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |
| | * s25fs128s | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |
| | * s25fs256s | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |
| | * s25fs512s | 512Mb | Configuration: 64M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |
| | * s70fs01gs | 1Gb | Configuration: 128M * 8 Serial Flash with Quad IO - 256k Sector (addr size 32b/24b per cmd) |

* QSPI / OSPI parts with an asterisk are found in the MMP release as *.vhdp files
QSPI / OSPI parts without the asterisk are found in the MMP release as *.vp files

Quad SPI Flash

Winbond Quad SPI

| | | |
|-------------|-------|--|
| * w25q40bv | 4Mb | Configuration: 512k * 8 Serial Flash with Quad IO (addr size 24b) |
| * w25q80bv | 8Mb | Configuration: 1M * 8 Serial Flash with Quad IO (addr size 24b) |
| * w25q16cv | 16Mb | Configuration: 2M * 8 Serial Flash with Quad IO (addr size 24b) |
| * w25q32bv | 32Mb | Configuration: 4M * 8 Serial Flash with Quad IO (addr size 24b) |
| * w25q64cv | 64Mb | Configuration: 8M * 8 Serial Flash with Quad IO (addr size 24b) |
| * w25q128bv | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO (addr size 24b) |
| w25q256fv | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 512 Blocks (addr size 32b) |
| w25q256jw | 256Mb | Configuration: 256Mb - 4KB x 16 Sectors x 512 Blocks (addr size 32b) |

Macronix Quad SPI

| | | |
|---------------|-------|--|
| * mx25u4035 | 4Mb | Configuration: 512k * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u8035 | 8Mb | Configuration: 1M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u1635 | 16Mb | Configuration: 2M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u3235e | 32Mb | Configuration: 4M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u3235f | 32Mb | Configuration: 4M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u6435 | 64Mb | Configuration: 8M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u12835 | 128Mb | Configuration: 16M * 8 Serial Flash with Quad IO (addr size 24b) |
| * mx25u25635 | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b/24b per cmd) |
| * mx25u25645g | 256Mb | Configuration: 32M * 8 Serial Flash with Quad IO (addr size 32b/24b per cmd) |
| * mx66u51235 | 512Mb | Configuration: 64M * 8 Serial Flash with Quad IO (addr size 32b/24b per cmd) |
| * mx25u51245g | 512Mb | Configuration: 64M * 8 Serial Flash with Quad IO (addr size 32b/24b per cmd) |

* QSPI / OSPI parts with an asterisk are found in the MMP release as *.vhd files
QSPI / OSPI parts without the asterisk are found in the MMP release as *.vp files

Octal SPI Flash

Micron Octal SPI (Numonyx)

| | | |
|-------------|-------|---|
| * mt35xu256 | 256Mb | Configuration: 32M * 8 Octal Flash – 32bit addressing mode support |
| * mt35xu512 | 512Mb | Configuration: 64M * 8 Octal Flash – 32bit addressing mode support |
| * mt35xu01g | 1Gb | Configuration: 128M * 8 Octal Flash – 32bit addressing mode support |
| * mt35xu02g | 2Gb | Configuration: 256M * 8 Octal Flash – 32bit addressing mode support |

Macronix Octal SPI

| | | |
|----------------|-------|---|
| * mx25um51245g | 512Mb | Configuration: 64M * 8 Octal Flash – 32bit addressing mode support |
| * mx66um1g45g | 1Gb | Configuration: 128M * 8 Octal Flash – 32bit addressing mode support |
| * mx66um2g45g | 2Gb | Configuration: 256M * 8 Octal Flash – 32bit addressing mode support |

* QSPI / OSPI parts with an asterisk are found in the MMP release as *.vhdp files
QSPI / OSPI parts without the asterisk are found in the MMP release as *.vp files

HyperFlash

| Manufacturer | Model Name | Size | Configuration |
|-----------------|------------------|--------------|---|
| Spansion | | | |
| | s26ks128s | 16MB | Sector Size: 256Kbyte Sector Count:64 |
| | s26ks256s | 32MB | Sector Size: 256Kbyte Sector Count:128 |
| | s26ks512s | 64MB | Sector Size: 256Kbyte Sector Count:256 |
| Cypress | | | |
| BETA | s26ks512t | 64MB | Sector Size: 256Kbyte Sector Count:256 |
| BETA | s26kl512t | 64MB | Sector Size: 256Kbyte Sector Count:256 |
| BETA | s26ks01gt | 128MB | Sector Size: 256Kbyte Sector Count:512 |
| BETA | s26kl01gt | 128MB | Sector Size: 256Kbyte Sector Count:512 |

SPI EEPROM

| Manufacturer | Model Name | Size | Configuration |
|------------------|--------------------|-------|---|
| ST | | | |
| | st_eeprom_m95080 | 8kb | Config: 1kbyte 32byte page EEPROM |
| | st_eeprom_m95160 | 16kb | Config: 2kbyte 32byte page EEPROM |
| | st_eeprom_m95320 | 32kb | Config: 4kbyte 32byte page EEPROM |
| | st_eeprom_m95320d | 32kb | Config: 4kbyte 32byte page EEPROM with ID page |
| | st_eeprom_m95320a | 32kb | Config: 4kbyte 32byte page EEPROM - Automotive |
| | st_eeprom_m95640 | 64kb | Config: 8kbyte 32byte page EEPROM |
| | st_eeprom_m95640d | 64kb | Config: 8kbyte 32byte page EEPROM with ID page |
| | st_eeprom_m95640a | 64kb | Config: 8kbyte 32byte page EEPROM- Automotive |
| | st_eeprom_m95128 | 128kb | Config: 16kbyte 64byte page EEPROM |
| | st_eeprom_m95128d | 128kb | Config: 16kbyte 64byte page EEPROM with ID page |
| | st_eeprom_m95128a | 128kb | Config: 16kbyte 64byte page EEPROM- Automotive |
| | st_eeprom_m95256 | 256kb | Config: 32kbyte 64byte page EEPROM |
| | st_eeprom_m95256d | 256kb | Config: 32kbyte 64byte page EEPROM with ID page |
| | st_eeprom_m95256a | 256kb | Config: 32kbyte 64byte page EEPROM- Automotive |
| | st_eeprom_m95512 | 512kb | Config: 64kbyte 128byte page EEPROM |
| | st_eeprom_m95512d | 512kb | Config: 64kbyte 128byte page EEPROM with ID page |
| | st_eeprom_m95512a | 512kb | Config: 64kbyte 128byte page EEPROM- Automotive |
| | st_eeprom_m95m01 | 1Mb | Config: 128kbyte 128byte page EEPROM |
| | st_eeprom_m95m01d | 1Mb | Config: 128kbyte 128byte page EEPROM with ID page |
| | st_eeprom_m95m01a | 1Mb | Config: 128kbyte 128byte page EEPROM- Automotive |
| | st_eeprom_m95m02d | 2Mb | Config: 256kbyte 128byte page EEPROM |
| Microchip | | | |
| | mc_eeprom_25lc080c | 8kb | Config: 1kbyte 16byte page EEPROM |
| | mc_eeprom_25lc080d | 8kb | Config: 1kbyte 32byte page EEPROM |
| | mc_eeprom_25lc160c | 16kb | Config: 2kbyte 16byte page EEPROM |
| | mc_eeprom_25lc160d | 16kb | Config: 2kbyte 32byte page EEPROM |
| | mc_eeprom_25lc320a | 32kb | Config: 4kbyte 32byte page EEPROM |
| | mc_eeprom_25lc640a | 64kb | Config: 8kbyte 32byte page EEPROM |
| | mc_eeprom_25lc128 | 128kb | Config: 16kbyte 64byte page EEPROM |
| | mc_eeprom_25lc256 | 256kb | Config: 32kbyte 64byte page EEPROM |

I2C EPROM

| Manufacturer | Model Name | Size | Configuration |
|------------------|------------|--------|--|
| Atmel | | | |
| | at24c01 | 1kb | Configuration: 1kbit I2C EPROM |
| | at24c02 | 2kb | Configuration: 2kbit I2C EPROM |
| | at24c04 | 4kb | Configuration: 4kbit I2C EPROM |
| | at24c08 | 8kb | Configuration: 8kbit I2C EPROM |
| | at24c16 | 16kb | Configuration: 16kbit I2C EPROM |
| | at24c32 | 32kb | Configuration: 32kbit I2C EPROM - 32-byte page write mode |
| | at24c64 | 64kb | Configuration: 64kbit I2C EPROM- 64-byte page write mode |
| | at24c128 | 128kb | Configuration: 128kbit I2C EPROM- 128-byte page write mode |
| | at24c256 | 256kb | Configuration: 256kbit I2C EPROM- 256-byte page write mode |
| | at24c512 | 512kb | Configuration: 512kbit I2C EPROM- 512-byte page write mode |
| | at24c1024 | 1024kb | Configuration: 1024kbit I2C EPROM- 1024-byte page write mode |
| Microchip | | | |
| | mc_24aa16h | 16kb | Configuration: 16kbit I2C EPROM |

**Microwire
EEPROM**

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|--------|---|
| Atmel | at93c46d | 1Kbit | 128x8 or 64x16 Microwire Serial EEPROM |
| | at93c46e | 1Kbit | 128x8 or 64x16 Microwire Serial EEPROM |
| | at93c56a | 2Kbit | 256x8 or 128x16 Microwire Serial EEPROM |
| | at93c56b | 2Kbit | 256x8 or 128x16 Microwire Serial EEPROM |
| | at93c66a | 4Kbit | 512x8 or 256x16 Microwire Serial EEPROM |
| | at93c66b | 4Kbit | 512x8 or 256x16 Microwire Serial EEPROM |
| | at93c86a | 16Kbit | 2048x8 or 1024x16 Microwire Serial EEPROM |

| eMMC 4.5 | | | |
|----------------|-------------------|------|---------------|
| Manufacturer | Model Name | Size | Configuration |
| Toshiba | | | |
| | toshiba_16GB_emmc | 16GB | |
| Samsung | | | |
| | klm8g1geac | 8GB | |
| | klmag2geac | 16GB | |
| | klmbg4geac | 32GB | |
| | klmcg8geac | 64GB | |

| eMMC 5.0 | | | |
|----------------|-----------------|------|---------------|
| Manufacturer | Model Name | Size | Configuration |
| Generic | | | |
| | klm4g1yemd_b031 | 4GB | |
| | klm8g1wemb_b031 | 8GB | |
| | klmag2wemb_b031 | 16GB | |
| | klmbg4webc_b031 | 32GB | |
| | klmcg8webc_b031 | 64GB | |

SD Card

| Manufacturer | Model Name | Size | Configuration |
|--------------|--------------|-------|----------------|
| Generic | | | |
| | sd_card_256m | 256MB | 256MB SDSC 4.2 |
| | sd_card_512m | 512MB | 512MB SDSC 4.2 |
| | sd_card_1g | 1GB | 1GB SDSC 4.2 |
| | sd_card_2g | 2GB | 2GB SDSC 4.2 |
| | sd_card_4g | 4GB | 4GB SDHC 4.2 |
| | sd_card_8g | 8GB | 8GB SDHC 4.2 |
| | sd_card_16g | 16GB | 16GB SDHC 4.2 |
| | sd_card_32g | 32GB | 32GB SDHC 4.2 |
| | sd_card_64g | 64GB | 64GB SDXC 4.2 |

UFS 2.1

| Manufacturer | Model Name | Size | Configuration |
|--------------|--|------|--|
| JEDEC | Universal Flash Storage (UFS) 2.1 | | |
| | Universal Flash Storage v2.1 (UFS 2.1) JESD220C (March 2016) Specification for Unified Protocol (UniProSM) Version 1.6 (6 August 2013) Specification for M-PHY Version 3.0 (26 July 2013) | | |
| | jedec_ufs_stack | 2GB | Configuration: LU0: 1GB LU1: 1GB LU2-LU7: Disabled Note: The user may enable the LU2-LU7 and set memory size by macro and adjust the LUN size to something smaller by changing descriptor values |
| Micron | Universal Flash Storage (UFS) 2.1 | | |
| | Configuration: LU0: 16GB LU1: 16GB LU2-LU7: Disabled Note: The user may enable the LU2-LU7 and set memory size by macro and adjust the LU size to something smaller by changing descriptor values | | |
| | mtfc32gamakam_ufs_stack | 32GB | |
| JEDEC | Universal Flash Storage (UFS) Card | | |
| | Universal Flash Storage (UFS) Card Extension v1.0 JESD220-2 (March 2016) Configuration: LU0: 1GB LU1: 1GB LU2-LU7: Disabled Note: The user may enable the LU2-LU7 and set memory size by macro and adjust the LUN size to something smaller by changing descriptor values | | |
| | ufs_card | 2GB | |

| CompactFlash | | | |
|--------------|---------------------|------|---------------|
| Manufacturer | Model Name | Size | Configuration |
| Generic | | | |
| BETA | compactflash_1024MB | 1GB | |

SRAM Async

| Manufacturer | Model Name | Size | Configuration |
|--------------|---------------|------|-----------------------------------|
| Cypress | | | |
| | cy7c1041bnv33 | 4Mb | Configuration: 256kx16 Async SRAM |
| | cy7c1061av33 | 16Mb | Configuration: 1Mx16 Async SRAM |
| | cy7c1069av33 | 16Mb | Configuration: 2Mx8 Async SRAM |

SRAM Sync

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|------|---|
| Cypress | | | |
| | cy7c1363 | 18Mb | Configuration: 1Mx18 Syncburst Flow Through |
| | cy7c1380 | 18Mb | Configuration: 512kx36 Syncburst Pipelined |
| | cy7c1480 | 72Mb | Configuration: 2Mx36 Syncburst Pipelined |

SRAM Sync DP

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|------|---------------------------------------|
| Cypress | | | |
| | cy7c0832v | 4Mb | Configuration: 256kx18 Dual Port SRAM |
| | cy7c0852v | 4Mb | Configuration: 128kx36 Dual Port SRAM |

SRAM DDR

| Manufacturer | Model Name | Size | Configuration |
|---------------------------|------------|------|--------------------------------------|
| Samsung DDRII+ CIO | | | |
| | k7k1636t2c | 18Mb | Samsung 512K x 36 DDRII+ CIO b2 SRAM |
| | k7k1636u2c | 18Mb | Samsung 512K x 36 DDRII+ CIO b2 SRAM |
| | k7k1618t2c | 18Mb | Samsung 1M x 18 DDRII+ CIO b2 SRAM |
| | k7k1618u2c | 18Mb | Samsung 1M x 18 DDRII+ CIO b2 SRAM |
| | k7k3236u2c | 36Mb | Samsung 1M x 36 DDRII+ CIO b2 SRAM |
| | k7k3236t2c | 36Mb | Samsung 1M x 36 DDRII+ CIO b2 SRAM |
| | k7k3218u2c | 36Mb | Samsung 2M x 18 DDRII+ CIO b2 SRAM |
| | k7k3218t2c | 36Mb | Samsung 2M x 18 DDRII+ CIO b2 SRAM |
| Samsung DDRII CIO | | | |
| | k7i163682b | 18Mb | Samsung 512K x 36 DDRII CIO b2 SRAM |
| | k7i643684m | 18Mb | Samsung 512K x 36 DDRII CIO b2 SRAM |
| | k7i161882b | 18Mb | Samsung 1M x 18 DDRII CIO b2 SRAM |
| | k7i643684m | 18Mb | Samsung 1M x 18 DDRII CIO b2 SRAM |
| | k7i323682c | 36Mb | Samsung 1M x 36 DDRII CIO b2 SRAM |
| | k7i643684m | 36Mb | Samsung 1M x 36 DDRII CIO b2 SRAM |
| | k7i321882c | 36Mb | Samsung 2M x 18 DDRII CIO b2 SRAM |
| | k7i643684m | 36Mb | Samsung 2M x 18 DDRII CIO b2 SRAM |
| | k7i643682m | 72Mb | Samsung 2M x 36 DDRII CIO b2 SRAM |
| | k7i643684m | 72Mb | Samsung 2M x 36 DDRII CIO b2 SRAM |
| | k7i641882m | 72Mb | Samsung 4M x 18 DDRII CIO b2 SRAM |
| | k7i643684m | 72Mb | Samsung 4M x 18 DDRII CIO b2 SRAM |
| Samsung DDRII SIO | | | |
| | k7j163682b | 18Mb | Samsung 512K x 36 DDRII SIO b2 SRAM |
| | k7j161882b | 18Mb | Samsung 1M x 18 DDRII SIO b2 SRAM |
| | k7j323682c | 36Mb | Samsung 1M x 36 DDRII SIO b2 SRAM |
| | k7j321882c | 36Mb | Samsung 2M x 18 DDRII SIO b2 SRAM |
| | k7j643682m | 72Mb | Samsung 2M x 36 DDRII SIO b2 SRAM |
| | k7j641882m | 72Mb | Samsung 4M x 18 DDRII SIO b2 SRAM |
| Samsung DDR | | | |
| | k7d803671b | 9Mb | Samsung 256K x 36 DDR SRAM |
| | k7d801871b | 9Mb | Samsung 512K x 18 DDR SRAM |
| | k7d163674b | 18Mb | Samsung 512K x 36 DDR SRAM |
| | k7d161874b | 18Mb | Samsung 1M x 18 DDR SRAM |
| | k7d323674c | 36Mb | Samsung 1M x 36 DDR SRAM |
| | k7d321874c | 36Mb | Samsung 2M x 18 DDR SRAM |

SRAM QDR

| Manufacturer | Model Name | Size | Configuration |
|--------------------------|------------|------|----------------------------------|
| Samsung QDRII+ b4 | | | |
| | k7s1636u4c | 18Mb | Samsung 512K x 36 QDRII+ b4 SRAM |
| | k7s1618t4c | 18Mb | Samsung 1M x 18 QDRII+ b4 SRAM |
| | k7s1618u4c | 18Mb | Samsung 1M x 18 QDRII+ b4 SRAM |
| | k7s3236t4c | 36Mb | Samsung 1M x 36 QDRII+ b4 SRAM |
| | k7s3236u4c | 36Mb | Samsung 1M x 36 QDRII+ b4 SRAM |
| | k7s3218t4c | 36Mb | Samsung 2M x 18 QDRII+ b4 SRAM |
| | k7s3218u4c | 36Mb | Samsung 2M x 18 QDRII+ b4 SRAM |
| Samsung QDRII b2 | | | |
| | k7r160982b | 18Mb | Samsung 2M x 9 QDRII b2 SRAM |
| | k7r163682b | 18Mb | Samsung 512K x 36 QDRII b2 SRAM |
| | k7r161882b | 18Mb | Samsung 1M x 18 QDRII b2 SRAM |
| | k7r323682c | 36Mb | Samsung 1M x 36 QDRII b2 SRAM |
| | k7r321882c | 36Mb | Samsung 2M x 18 QDRII b2 SRAM |
| | k7r320982c | 36Mb | Samsung 4M x 9 QDRII b2 SRAM |
| | k7r643682m | 72Mb | Samsung 2M x 36 QDRII b2 SRAM |
| | k7r641882m | 72Mb | Samsung 4M x 18 QDRII b2 SRAM |
| | k7r640982m | 72Mb | Samsung 8M x 9 QDRII b2 SRAM |
| Samsung QDRII b4 | | | |
| | k7r163684b | 18Mb | Samsung 512K x 36 QDRII b4 SRAM |
| | k7r161884b | 18Mb | Samsung 1M x 18 QDRII b4 SRAM |
| | k7r323684c | 36Mb | Samsung 1M x 36 QDRII b4 SRAM |
| | k7r321884c | 36Mb | Samsung 2M x 18 QDRII b4 SRAM |
| | k7r320984c | 36Mb | Samsung 4M x 9 QDRII b4 SRAM |
| | k7r643684m | 72Mb | Samsung 2M x 36 QDRII b4 SRAM |
| | k7r641884m | 72Mb | Samsung 4M x 18 QDRII b4 SRAM |
| Samsung QDR b2 | | | |
| | k7q163662b | 18Mb | Samsung 512K x 36 QDR b2 SRAM |
| | k7q161862b | 18Mb | Samsung 1M x 18 QDR b2 SRAM |
| Samsung QDR b4 | | | |
| | k7q163664b | 18Mb | Samsung 512K x 36 QDR b4 SRAM |
| | k7q161864b | 18Mb | Samsung 1M x 18 QDR b4 SRAM |

HyperRam

| Manufacturer | Model Name | Size | Configuration |
|--------------|------------|---------|------------------------------------|
| Cypress | | | |
| | s27kl0641 | 8Mbyte | Configuration: 1k x 8192 HyperRam |
| | s70kl1281 | 16Mbyte | Configuration: 1k x 16384 HyperRam |
| | s70kl2561 | 32Mbyte | Configuration: 1k x 32768 HyperRam |
| | s27ks0641 | 8Mbyte | Configuration: 1k x 8192 HyperRam |
| | s70ks1281 | 16Mbyte | Configuration: 1k x 16384 HyperRam |
| | s70ks2561 | 32Mbyte | Configuration: 1k x 32768 HyperRam |