



VSCCommn.bin Content

Application Note

For Cherry Trail-T4 and Braswell Platform

October 2015

Revision 2.8.6

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Revision History

| Document Number | Revision Number | Description | Revision Date |
|-----------------|-----------------|--|---------------|
| | <0.7> | Initial release. | 10/16/2009 |
| | <0.8> | Added VSCC value. | 10/20/2009 |
| | <0.9> | Added VSCC values of EN25F32 and EN25Q64. | 11/20/2009 |
| | <1.0> | Added AMIC A25L016. Replaced with VSCC 200D for SST25VF064C. Changed EN25Q64 device ID to 3017h. Removed W25X128 (product release cancelled). Added alternative VSCC values. | 2/25/2010 |
| | <1.1> | Added MX25L6436E, MX25L12836E, MX25L3206E, and EN25Q128. Added alternative VSCC values. | 4/29/2010 |
| | <1.2> | Added EN25Q32A. Added alternative VSCC values. | 5/5/2010 |
| | <1.3> | Added MX25L8006E, MX25L8036E, MX25L1606E MX25L1636E, and MX25L6406E Added GD25Q80, GD25Q16, GD25Q32, GD25Q32A, and GD25Q64 Added N25Q032 and N25Q064 | 6/17/2010 |
| | <1.4> | Added EN25Q16 | 6/28/2010 |
| | <1.5> | Added AMIC A25L032 | 9/20/2010 |
| | <1.6> | Added EN25Q80A , EN25Q40, and AMIC A25LQ032 Added S25FL016K, S25FL032K, and S25FL064K | 11/9/2010 |
| | <1.7> | Added N25Q16, AT25DQ641 | 12/16/2010 |
| | <1.8> | Added MX25L4006E, FM25Q16, FM25Q32, and FM25Q64 | 1/24/2011 |
| | | Added overview and note | |
| | <1.9> | Added PM25LQ080C, W25Q16CV, W25Q64CV, MX25L3236D, MX25L12835E, MX25L25635E, MX25L25735E, PM25LQ016C, and PM25L032C. Added note #3. | 4/12/2011 |
| | <2.0> | Added AT25DQ161, EN25QH16 Changed from EN25Q32A(B) to EN25Q32B Removed GD25Q32A (product plan cancelled) Changed from PM25LQ018C to PM25LQ016C | 6/14/2011 |



| Document Number | Revision Number | Description | Revision Date |
|-----------------|-----------------|---|---------------|
| | <2.1> | EN25QH80, EN25F64, A25LQ16, and FM25Q128. Changed from A25LQ032 to A25LQ32A Changed from SST to SST/Microchip Removed W25X40V (EOL) Added Intel® 7 Series/C216 Chipset Family SPI Programming Guide | 8/22/2011 |
| | <2.2> | Added F25L32PA(2S), F25L64PA, F25L16PA, F25L04PA F25L08PA, A25L040, and A25L080. Changed from MX25L3205D to MX25L3205A(D) | 10/07/2011 |
| | <2.3> | Updated Chingis devices IDs, Added F25L16PA(2S) and F25L32PA | 10/25/2011 |
| | <2.4> | Added W25Q64FV and GD25Q128 | 12/2/2011 |
| | <2.5> | Added alternative device ID for W25Q64FV Added W25Q128FV Added note #4 and #5 | 2/14/2012 |
| | <2.6> | Updated vscc value with 0x2009 and 0x2005 in vsccommn.bin for SST25VF016B, SST25VF032B, SST25VF040B, SST25F080B. | 4/30/2012 |
| | <2.7> | Updated Chingis device ID with 7F44h, 7F45h, 7F46h in vsccommn.bin for PM25LQ080C, PM25LQ016C, and PM25LQ032C | 6/7/2012 |
| | <2.7.1> | Updated Chingis manf ID2, Manf ID1, Device ID2 sequence in vsccommn.bin for PM25LQ080C, PM25LQ016C, and PM25LQ032C | 7/18/2012 |
| | <2.7.2> | Added PM25LD512C2 | 8/6/2012 |
| | <2.7.3> | Added W25Q64DW | 11/29/2012 |
| | <2.7.4> | Added MX25L6473E, A25LQ64 | 2/25/2013 |
| | <2.7.5> | Added GD25LQ16, GD25LQ32C, GD25LQ64C, GD25LQ128C, GD25LQ256C | 5/9/2013 |
| | <2.7.6> | Added MX25U6435F, W25Q128FW | 5/21/2013 |
| | <2.7.7> | Added EN25S64 | 6/7/2013 |
| | <2.7.8> | Added W25Q64FW, MX25U12835F | 7/31/2013 |
| | <2.7.9> | Added N25Q064Ax1E | 8/29/2013 |
| | <2.7.10> | Added N25Q128Ax1E, N25Q032Ax1E, N25Q016Ax1E Added S25FL164K, S25FL132K | 9/24/2013 |
| | <2.7.11> | Added GD25B64B | 02/26/2014 |
| | <2.7.12> | Added W25Q16DW | 03/24/2014 |



| Document Number | Revision Number | Description | Revision Date |
|-----------------|-----------------|---|---------------|
| | <2.7.13> | added MXIC (MX25U1635EM2I-10G) FIDELIX(FM25M16A) SST/Microchip (SST26WF016B) Winbond (W25Q32DW) Spansion (S25FS128S); Removed EOled parts-> Spansion S25FL016K Spansion S25FL032K Spansion S25FL064K Spansion S25FL128K | 05/05/2014 |
| | <2.7.14> | added Spansion S25FS256S Updated new P/N to new version for EON devices EN25Q40/EN25Q80A/EN25QH16/EN25QH32/EN25QH64/EN25QH128 EN25Q40 -> EN25Q40A EN25Q80A -> EN25Q80B EN25QH16-> EN25QH16A EN25QH32-> EN25QH32A EN25QH64 -> EN25QH64A EN25QH128 -> EN25QH128A | 08/05/2014 |
| | <2.7.15> | Added Winbond W25 series W25Q32FW, WW25Q32FV, W25Q40BW and W25Q80BW | 10/27/2014 |
| | <2.8.1> | Updated VSCC value for CHT/BWS platform with Quad I/O support. W25X80V, W25X16BV, W25X32BV, W25X64BV – Remove from list per vendor requests. Added EOL note for W25Q40BV, W25Q80BV, W25Q16BV, W25Q32BV, W25Q64BV, W25Q128BV, W25Q16CV, W25Q64CV, W25Q32DW, W25Q64DW (customers could be using these parts on older designs) | 12/15/2014 |
| | <2.8.2> | Added MX25U6473F | 01/14/2015 |
| | <2.8.3> | Updated device ID and fparts.txt for Spansion S25FS256S Fixed typo in fparts.txt file for Chingis parts and ESMT F25L16PA part | 03/19/2015 |
| | <2.8.4> | Added Winbond W25 series W25X05CL, W25X10CL, W25X20CL, W25X40CL, W25Q20CL, W25Q40CL, W25Q10EW, W25Q20EW, W25Q40EW, W25Q80EW, W25Q16FW/W25Q16DV/W25Q16CL, W25Q80DV | 05/20/2015 |
| | <2.8.5> | Added Winbond W25Q80BL, WQ25Q256FV | 06/08/2015 |
| | <2.8.6> | Added GD25LB16, GD25LB64C, GD25LB128C | 10/26/2015 |

§ §



1 Introduction

1.1 Overview

Vsccommn.bin file contains serial flash devices' vendor ID, device ID, and vendor-specific component capabilities information. Vsccommn.bin file is used by Flash Image Tool (FITC) and TXEManuf tool to select a serial flash device listed, to create flash image, and also to check if the Intel® Trusted Execution Engine (Intel® TXE) and BIOS VSCC customer created matches the VSCC entry in the vsccommn.bin.

1.2 Terminology

| Term | Description |
|------|--|
| SPI | Serial Peripheral Interface |
| VSCC | Vendor-Specific Component Capabilities |

1.3 Reference Documents

| Document | Document No./Location |
|--|-----------------------|
| Intel® Cherry Trail Platform SoC SPI Programming Guide | CDI / IBL #: 540557 |
| Intel® Braswell Platform SoC SPI Programming Guide | CDI / IBL #: 550046 |





2 Serial Flash Parts List

These settings are not part recommendations, nor are they an indication these parts are supported on Intel platforms. All parts on this list have NOT been validated, and it is the responsibility of the customer to validate the flash parts used on their platform.

Flash parts may change opcodes and architectures so please refer to the respective flash datasheet and errata/application note and flash vendor to confirm.

Table 2-1: List of Serial Flash devices added to the vsccommn.bin file

| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|---------|-----------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| Winbond | W25Q20CL | 0xEFh | 4012h | 0x2025 | 0x2021 | |
| Winbond | W25Q40BV | 0xEFh | 4013h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q40CL | 0xEFh | 4013h | 0x2025 | 0x2021 | |
| Winbond | W25Q80BV | 0xEFh | 4014h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q80BL | 0xEFh | 4014h | 0x2025 | 0x2021 | |
| Winbond | W25Q16BV | 0xEFh | 4015h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q32BV | 0xEFh | 4016h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q64BV | 0xEFh | 4017h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q128BV | 0xEFh | 4018h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q40BW | 0xEFh | 5013h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q80BW | 0xEFh | 5014h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q16CV | 0xEFh | 4015h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q16DV | 0xEFh | 4015h | 0x2025 | 0x2021 | |
| Winbond | W25Q16CL | 0xEFh | 4015h | 0x2025 | 0x2021 | |
| Winbond | W25Q80DV | 0xEFh | 4014h | 0x2025 | 0x2021 | |
| Winbond | W25Q64CV | 0xEFh | 4017h | 0x2025 | 0x2021 | 3 |
| Winbond | W25Q32FV | 0xEFh | 4016h | 0x2025 | 0x2021 | |
| Winbond | W25Q32FV | 0xEFh | 6016h | 0x2025 | 0x2021 | 4 |
| Winbond | W25Q64FV | 0xEFh | 4017h | 0x2025 | 0x2021 | |
| Winbond | W25Q64FV | 0xEFh | 6017h | 0x2025 | 0x2021 | 4 |
| Winbond | W25Q128FV | 0xEFh | 4018h | 0x2025 | 0x2021 | |
| Winbond | W25Q128FV | 0xEFh | 6018h | 0x2025 | 0x2021 | 4 |

Serial Flash Parts List



| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|----------|---------------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| Winbond | W25Q256FV | 0xEFh | 4019h | 0x2025 | 0x2021 | |
| Winbond | W25Q256FV | 0xEFh | 6019h | 0x2025 | 0x2021 | 4 |
| Winbond | W25Q16DW | 0xEFh | 6015h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q32DW | 0xEFh | 6016h | 0x2025 | 0x2021 | 6, 3 |
| Winbond | W25Q64DW | 0xEFh | 6017h | 0x2025 | 0x2021 | 6, 3 |
| Winbond | W25Q16FW | 0xEFh | 6015h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q32FW | 0xEFh | 6016h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q64FW | 0xEFh | 6017h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q128FW | 0xEFh | 6018h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q10EW | 0xEFh | 6011h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q20EW | 0xEFh | 6012h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q40EW | 0xEFh | 6013h | 0x2025 | 0x2021 | 6 |
| Winbond | W25Q80EW | 0xEFh | 6014h | 0x2025 | 0x2021 | 6 |
| Winbond | W25X05CL | 0xEFh | 3010h | 0x2005 | 0x2001 | |
| Winbond | W25X10CL | 0xEFh | 3011h | 0x2005 | 0x2001 | |
| Winbond | W25X20CL | 0xEFh | 3012h | 0x2005 | 0x2001 | |
| Winbond | W25X40CL | 0xEFh | 3013h | 0x2005 | 0x2001 | |
| Macronix | MX25L8005 | 0xC2 | 2014h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L1605A | 0xC2 | 2015h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L1605D | 0xC2 | 2015h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L1635D | 0xC2 | 2415h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L3205A(D) | 0xC2 | 2016h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L3225D | 0xC2 | 5E16h | 0x2045 | 0x2041 | |
| Macronix | MX25L3235D | 0xC2 | 5E16h | 0x2045 | 0x2041 | |
| Macronix | MX25L6405D | 0xC2 | 2017h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L6445E | 0xC2 | 2017h | 0x2045 | 0x2041 | |
| Macronix | MX25L6455E | 0xC2 | 2617h | 0x2045 | 0x2041 | |
| Macronix | MX25L12805D | 0xC2 | 2018h | 0x2045 | 0x2041 | 5 |
| Macronix | MX25L12845E | 0xC2 | 2018h | 0x2045 | 0x2041 | |
| Macronix | MX25L12855E | 0xC2 | 2618h | 0x2045 | 0x2041 | |
| Macronix | MX25L3206E | 0xC2 | 2016h | 0x2045 | 0x2041 | |
| Macronix | MX25L6436E | 0xC2 | 2017h | 0x2045 | 0x2041 | |
| Macronix | MX25L12836E | 0xC2 | 2018h | 0x2045 | 0x2041 | |



Serial Flash Parts List

| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|----------------|-------------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| Macronix | MX25L8006E | 0xC2 | 2014h | 0x2045 | 0x2041 | |
| Macronix | MX25L8036E | 0xC2 | 2014h | 0x2045 | 0x2041 | |
| Macronix | MX25L1606E | 0xC2 | 2015h | 0x2045 | 0x2041 | |
| Macronix | MX25L1636E | 0xC2 | 2015h | 0x2045 | 0x2041 | |
| Macronix | MX25L6406E | 0xC2 | 2017h | 0x2045 | 0x2041 | |
| Macronix | MX25L4006E | 0xC2 | 2013h | 0x2045 | 0x2041 | |
| Macronix | MX25L3236D | 0xC2 | 5E16h | 0x2045 | 0x2041 | |
| Macronix | MX25L12835E | 0xC2 | 2018h | 0x2045 | 0x2041 | |
| Macronix | MX25L25635E | 0xC2 | 2019h | 0x2045 | 0x2041 | |
| Macronix | MX25L25735E | 0xC2 | 2019h | 0x2045 | 0x2041 | |
| Macronix | MX25L6473E | 0xC2 | 2017h | 0x2045 | 0x2041 | |
| Macronix | MX25U6435F | 0xC2 | 2537h | 0x2045 | 0x2041 | 6 |
| Macronix | MX25U6473F | 0xC2 | 2537h | 0x2045 | 0x2041 | 6 |
| Macronix | MX25U12835F | 0xC2 | 2538h | 0x2045 | 0x2041 | 6 |
| Macronix | MX25U1635E | 0xC2 | 2535h | 0x2045 | 0x2041 | 6 |
| Micron/Numonyx | M25PE80 | 0x20 | 8014h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PE16 | 0x20 | 8015h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PX32 | 0x20 | 7116h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PX64 | 0x20 | 7117h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PE10 | 0x20 | 8011h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PE20 | 0x20 | 8012h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PE40 | 0x20 | 8013h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PX80 | 0x20 | 7114h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | M25PX16 | 0x20 | 7115h | 0x2005 | 0x2001 | 1 |
| Micron/Numonyx | N25Q128 | 0x20 | BA18h | 0x2005 | 0x2001 | |
| Micron/Numonyx | N25Q032 | 0x20 | BA16h | 0x2005 | 0x2001 | |
| Micron/Numonyx | N25Q064 | 0x20 | BA17h | 0x2005 | 0x2001 | |
| Micron/Numonyx | N25Q016 | 0x20 | BA15h | 0x2005 | 0x2001 | |
| Micron/Numonyx | N25Q064Ax1E | 0x20 | BB17h | 0x2005 | 0x2001 | 6 |
| Micron/Numonyx | N25Q128Ax1E | 0x20 | BB18h | 0x2005 | 0x2001 | 6 |
| Micron/Numonyx | N25Q032Ax1E | 0x20 | BB16h | 0x2005 | 0x2001 | 6 |
| Micron/Numonyx | N25Q016Ax1E | 0x20 | BB15h | 0x2005 | 0x2001 | 6 |
| Adesto/Atmel | AT26DF081 | 0x1F | 4500h | 0x2015 | 0x2011 | 2, 5 |

Serial Flash Parts List



| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|---------------|--------------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| Adesto/Atmel | AT26DF081A | 0x1F | 4501h | 0x2015 | 0x2011 | 2, 5 |
| Adesto/Atmel | AT25DF081 | 0x1F | 4502h | 0x2015 | 0x2011 | 2 |
| Adesto/Atmel | AT26DF161 | 0x1F | 4600h | 0x2015 | 0x2011 | 2, 5 |
| Adesto/Atmel | AT26DF161A | 0x1F | 4601h | 0x2015 | 0x2011 | 2, 5 |
| Adesto/Atmel | AT25DF161 | 0x1F | 4602h | 0x2015 | 0x2011 | 2 |
| Adesto/Atmel | AT26DF321 | 0x1F | 4700h | 0x2015 | 0x2011 | 2, 5 |
| Adesto/Atmel | AT25DF321 | 0x1F | 4700h | 0x2015 | 0x2011 | 2, 5 |
| Adesto/Atmel | AT25DF321A | 0x1F | 4701h | 0x2015 | 0x2011 | 2 |
| Adesto/Atmel | AT25DF641 | 0x1F | 4800h | 0x2015 | 0x2011 | 2 |
| Adesto/Atmel | AT25DF641A | 0x1F | 4800h | 0x2015 | 0x2011 | 2 |
| Adesto/Atmel | AT25DQ641 | 0x1F | 8800h | 0x2075 | 0x2071 | 2 |
| Adesto/Atmel | AT25DQ161 | 0x1F | 8600h | 0x2075 | 0x2071 | 2 |
| Microchip/SST | SST 25VF016B | 0xBF | 2541h | 0x2009 | 0x2005 | |
| Microchip/SST | SST 25VF032B | 0xBF | 254Ah | 0x2009 | 0x2005 | |
| Microchip/SST | SST 25VF040B | 0xBF | 258Dh | 0x2009 | 0x2005 | |
| Microchip/SST | SST 25VF080B | 0xBF | 258Eh | 0x2009 | 0x2005 | |
| Microchip/SST | SST 25VF064C | 0xBF | 254Bh | 0x200D | 0x2009 | |
| Microchip/SST | SST 26WF016B | 0xBF | 2651h | 0x200D | 0x2009 | 6 |
| Chingis | PM25LV080B | 0x9D | 7F13h | 0xD705 | 0xD701 | |
| Chingis | PM25LV016B | 0x9D | 7F14h | 0xD705 | 0xD701 | |
| Chingis | PM25LQ080C | 0x9D | 7F44h | 0xD745 | 0xD741 | |
| Chingis | PM25LQ016C | 0x9D | 7F45h | 0xD745 | 0xD741 | |
| Chingis | PM25LQ032C | 0x9D | 7F46h | 0xD745 | 0xD741 | |
| Chingis | PM25LD512C2 | 0x9D | 7F20h | 0xD705 | 0xD701 | |
| EON | EN25F80 | 0x1C | 3114h | 0x2005 | 0x2001 | |
| EON | EN25F16 | 0x1C | 3115h | 0x2005 | 0x2001 | |
| EON | EN25F32 | 0x1C | 3116h | 0x2005 | 0x2001 | |
| EON | EN25Q32B | 0x1C | 3016h | 0x2005 | 0x2001 | |
| EON | EN25Q64 | 0x1C | 3017h | 0x2005 | 0x2001 | |
| EON | EN25Q128 | 0x1C | 3018h | 0x2005 | 0x2001 | |
| EON | EN25Q16(A) | 0x1C | 3015h | 0x2005 | 0x2001 | |
| EON | EN25Q80B | 0x1C | 3014h | 0x2005 | 0x2001 | 7 |
| EON | EN25Q40A | 0x1C | 3013h | 0x2005 | 0x2001 | 7 |



Serial Flash Parts List

| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|------------|------------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| EON | EN25QH16A | 0x1C | 7015h | 0x2005 | 0x2001 | 7 |
| EON | EN25QH32A | 0x1C | 7016h | 0x2005 | 0x2001 | 7 |
| EON | EN25QH256 | 0x1C | 7019h | 0x2005 | 0x2001 | |
| EON | EN25QH128A | 0x1C | 7018h | 0x2005 | 0x2001 | 7 |
| EON | EN25QH64A | 0x1C | 7017h | 0x2005 | 0x2001 | 7 |
| EON | EN25QH80 | 0x1C | 7014h | 0x2005 | 0x2001 | |
| EON | EN25F64 | 0x1C | 3117h | 0x2005 | 0x2001 | |
| EON | EN25S64 | 0x1C | 3817h | 0x2005 | 0x2001 | 6 |
| AMIC | A25L016 | 0x37 | 3015h | 0x2005 | 0x2001 | |
| AMIC | A25L032 | 0x37 | 3016h | 0x2005 | 0x2001 | |
| AMIC | A25LQ32A | 0x37 | 4016h | 0x2025 | 0x2021 | |
| AMIC | A25LQ16 | 0x37 | 4015h | 0x2025 | 0x2021 | |
| AMIC | A25L040 | 0x37 | 3013h | 0x2005 | 0x2001 | |
| AMIC | A25L080 | 0x37 | 3014h | 0x2005 | 0x2001 | |
| AMIC | A25LQ64 | 0x37 | 4017h | 0x2045 | 0x2041 | |
| Gigadevice | GD25Q80 | 0xC8 | 4014h | 0x2025 | 0x2021 | |
| Gigadevice | GD25Q16 | 0xC8 | 4015h | 0x2025 | 0x2021 | |
| Gigadevice | GD25Q32 | 0xC8 | 4016h | 0x2025 | 0x2021 | |
| Gigadevice | GD25Q64 | 0xC8 | 4017h | 0x2025 | 0x2021 | |
| Gigadevice | GD25Q128 | 0xC8 | 4018h | 0x2025 | 0x2021 | |
| Gigadevice | GD25LQ16 | 0xC8 | 6015h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LQ32C | 0xC8 | 6016h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LQ64C | 0xC8 | 6017h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LQ128C | 0xC8 | 6018h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LQ256C | 0xC8 | 6019h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25B64B | 0xC8 | 4017h | 0x2025 | 0x2021 | |
| Gigadevice | GD25LB16 | 0xC8 | 6015h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LB64C | 0xC8 | 6017h | 0x2025 | 0x2021 | 6 |
| Gigadevice | GD25LB128C | 0xC8 | 6018h | 0x2025 | 0x2021 | 6 |
| Spansion | S25FL164K | 0x01 | 4017h | 0x2025 | 0x2021 | |
| Spansion | S25FL132K | 0x01 | 4016h | 0x2025 | 0x2021 | |
| Spansion | S25FS128S | 0x01 | 2018h | 0x2025 | 0x2021 | 6 |
| Spansion | S25FS256S | 0x01 | 0219h | 0x2025 | 0x2021 | 6 |



| Vendor | Part Name | Vendor ID | Device ID | VSCC value (64byte write granularity) | VSCC value (1byte write granularity) | Notes |
|---------|--------------|-----------|-----------|---------------------------------------|--------------------------------------|-------|
| Fidelix | FM25Q16 | 0xF8 | 3215h | 0x2025 | 0x2021 | |
| Fidelix | FM25Q32 | 0xF8 | 3216h | 0x2025 | 0x2021 | |
| Fidelix | FM25Q64 | 0xF8 | 3217h | 0x2025 | 0x2021 | |
| Fidelix | FM25Q128 | 0xF8 | 3218H | 0x2025 | 0x2021 | |
| Fidelix | FM25M16A | 0xF8 | 4215H | 0x2025 | 0x2021 | 6 |
| ESMT | F25L32PA(2S) | 0x8C | 2116h | 0x2005 | 0X2001 | |
| ESMT | F25L64PA | 0x8C | 2117h | 0x2005 | 0X2001 | |
| ESMT | F25L16PA | 0x8C | 2015h | 0x2005 | 0X2001 | |
| ESMT | F25L04PA | 0x8C | 3013h | 0x2005 | 0X2001 | |
| ESMT | F25L08PA | 0x8C | 3014h | 0x2005 | 0X2001 | |
| ESMT | F25L16PA(2S) | 0x8C | 2115h | 0x2005 | 0X2001 | |
| ESMT | F25L32PA | 0x8C | 2016h | 0x2005 | 0X2001 | |

NOTES:

1. Numonyx/Micron’s M25PE/PX series are not recommended by Numonyx/Micron. Numonyx/Micron recommends a new N25Q series. Please contact Numonyx/Micron for details.
2. For Atmel flash devices, VSCC values of 0x201D for 64byte write granularity and 0x2019 for 1 byte write granularity were used as alternatives in the past. Atmel recommends 0x2015 VSCC value.
3. End of life.
4. Device ID for Winbond’s QPI mode (quad peripheral interface); not SPI mode
5. Products that have been replaced by new products
6. SPI flash voltage is 1.8V.
7. Part number update only per vendor requests.