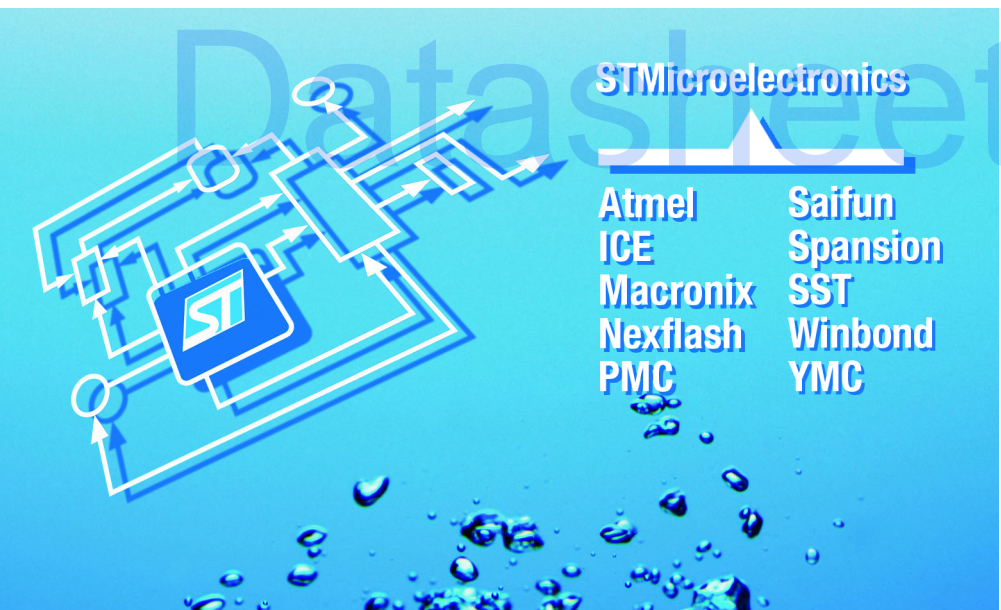


SPI Serial Flash for code, data and parameter storage

Cross-reference guide



STMicroelectronics

Atmel
ICE
Macronix
Nexflash
PMC

Saifun
Spansion
SST
Winbond
YMC

August 2005

How to use this cross-reference guide

This cross-reference guide is intended to help you choose the **STMicroelectronics** product most compatible with competitive devices.

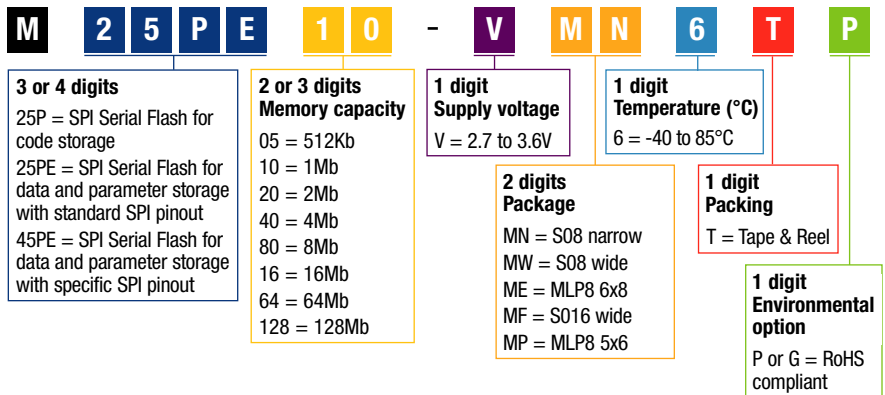
It is very easy to use: simply identify the competitor's part number, with the memory you are looking for, and you'll find the ST equivalent product. In all cases, we recommend that you check the parameters in the appropriate datasheet, to ensure that the product meets the requirements of your application.

Please note that this guide is based on information published by other manufacturers and is accurate at the time of going to press.

Complete Serial Flash cross-reference information is available at www.st.com/serialflash or on the ST intranet.

If you are interested in receiving more information about these and other products or if you have any technical enquiry, please contact the ST sales office in your area, or send an e-mail to apps.serialflash@st.com (for application support) or ask.memory@st.com (for general enquiries).

ST Serial Flash part numbering scheme



Atmel – code storage

| Size | Atmel part number | ST part number | Variations between Atmel and ST |
|-------|-----------------------|----------------|--|
| 512Kb | AT25F512AN-10SU-2.7 | M25P05-AVMN6TP | Footprint compatible, download compatible at 20MHz, software to be adapted for update and read ID and protection, only pages of 128Bytes |
| | AT25F512AY4-10YU-2.7 | M25P05-AVMP6TG | |
| 1Mb | AT25F1024AN-10SI-2.7 | M25P10-AVMN6TP | Footprint compatible, download compatible at 20MHz software to be adapted for update and read ID |
| | AT25F1024AY4-10YU-2.7 | M25P10-AVMP6TG | Footprint compatible, download compatible at 20MHz, software to be adapted for update and read ID, green package |
| 2Mb | AT25F2048N-10SU-2.7 | M25P20-VMN6TP | Footprint compatible, download compatible at 20MHz, software to be adapted for update and read ID |
| 4Mb | AT25F4096W-10SU-2.7 | M25P40-VMN6TP | Not footprint compatible, download compatible at 20MHz, software to be adapted for update and read ID |
| | AT25F4096Y4-10YU-2.7 | M25P40-VMP6TG | Footprint compatible, download compatible at 20MHz, software to be adapted for update and read ID |

Atmel – data and parameter storage

| Size | Atmel part number | ST part number | Variations between Atmel and ST |
|------|-------------------|----------------|--|
| 1Mb | AT45DB011B-S | M45PE10-VMN6TP | Footprint compatible if stretched a bit (S08N of S08W), instead software to be adapted, ST does not support 5V on inputs |
| | AT45DB011B-C | M45PE10-VMN6TP | S08N instead of CBGA, software to be adapted, ST does not support 5V on inputs |
| | AT45DB011B-X | M45PE10-VMN6TP | S08N instead of TSSOP, software to be adapted, ST does not support 5V on inputs |
| 2Mb | AT45DB021B-S | M45PE20-VMN6TP | S08N instead of S08W, software to be adapted, ST does not support 5V on inputs |
| | AT45DB021B-C | M45PE20-VMN6TP | S08N instead of S028, software to be adapted, ST does not support 5V on inputs |
| | AT45DB021B-R | M45PE20-VMN6TP | S08N instead of S028, software to be adapted, ST does not support 5V on inputs |
| | AT45DB021B-T | M45PE20-VMN6TP | S08N instead of TSOP28, software to be adapted, ST does not support 5V on inputs |
| 4Mb | AT45DB041B-C | M45PE40-VMW6TP | S08W instead of CBGA, software to be adapted, ST does not support 5V on inputs |
| | AT45DB041B-CN | M45PE40-VMW6TP | Footprint compatible (S08W instead of CASON), software to be adapted, ST does not support 5V on inputs |
| | AT45DB041B-R | M45PE40-VMW6TP | S08W instead of S028, software to be adapted, ST does not support 5V on inputs |
| | AT45DB041B-S | M45PE40-VMW6TP | Footprint compatible, software to be adapted, ST does not support 5V on inputs |
| | AT45DB041B-T | M45PE40-VMW6TP | S08W instead of TSOP28, software to be adapted, ST does not support 5V on inputs |
| 8Mb | AT45DB081B-C | M45PE80-VMW6TP | S08W instead of CBGA, software to be adapted, ST does not support 5V on inputs |
| | AT45DB081B-CN | M45PE80-VMW6TP | Footprint compatible (S08W instead of CASON), software to be adapted, ST does not support 5V on inputs |
| | AT45DB081B-R | M45PE80-VMW6TP | S08W instead of S028, software to be adapted, ST does not support 5V on inputs |
| | AT45DB081B-T | M45PE80-VMW6TP | S08W instead of TSOP28, software to be adapted, ST does not support 5V on inputs |
| 16Mb | AT45DB161B-C | * | |
| | AT45DB161B-CN | | |
| | AT45DB161B-R | | |
| | AT45DB161B-T | | |

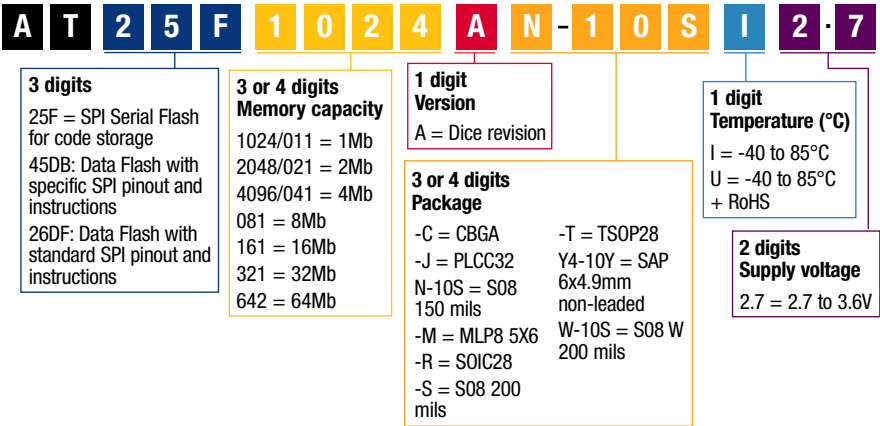
* Contact marketing for availability

Atmel – data and parameter storage

| Size | Atmel part number | ST part number | Variations between Atmel and ST |
|------|-------------------|----------------|---|
| 32Mb | AT45DB321B-C | * | |
| | AT45DB321B-CN | | |
| | AT45DB321B-T | | |
| 64MB | AT45DB642-T | | |
| 4Mb | AT26DF041-SU | M25PE40-VMW6TG | Footprint compatible (reset not connected on Atmel), read compatible (read, fast read, Jedec ID), software to be adapted for other instructions, ST does not support 5V on inputs |
| | AT26DF041-MU | M25PE40-VMP6TG | |

* Contact marketing for availability

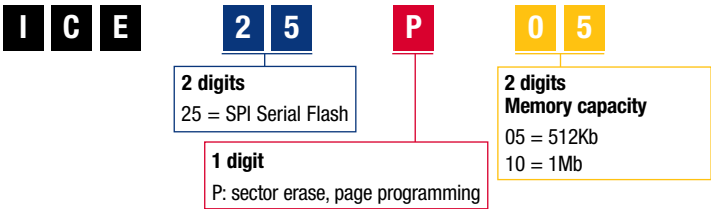
Atmel Serial Flash part numbering scheme



ICE – code storage

| Size | ICE part number | ST part number | Variations between ICE and ST |
|-------|-----------------|----------------|---|
| 512Kb | ICE25P05 | M25P05-AVMN6T | Footprint compatible, download and update compatible at 20MHz, software to be adapted for read ID |
| 1Mb | ICE25P10 | M25P10-AVMN6T | |

ICE Serial Flash part numbering scheme



Macronix – code storage

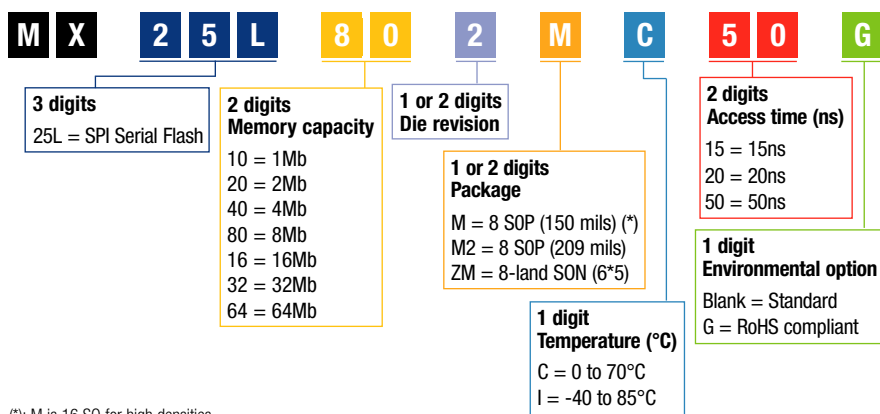
| Size | Macronix part number | ST part number | Variations between Macronix and ST |
|------|----------------------|----------------|--|
| 8Mb | MX25L802MC-50 | * | Specific product in SO28 for Japanese market |
| 16Mb | MX25L1602MC-50 | | |
| 8Mb | MX25L8005 | | |
| 16Mb | MX25L1602MC-50 | | |
| 4Mb | MX25L4005MC-15G | M25P40-VMN6TP | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L4005M2C-15G | M25P40-VMN6TP | S08N instead of S08W, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L4005ZMC-15G | M25P40-VMP6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L4005MI-15G | M25P40-VMN6TP | S08N instead of S08W, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L4005MI-15G | M25P40-VMN6TP | S08N instead of S08W, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L4005ZMI-15G | M25P40-VMP6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| 8Mb | MX25L8005MC-15G | M25P80-VMP6TG | Footprint compatible (MLP instead of S08N), software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L8005M2C-15G | M25P80-VMW6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L8005ZMC-15G | M25P80-VMP6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L8005MI-15G | M25P80-VMP6TG | Footprint compatible (MLP in place of S08N), software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L8005M2I-15G | M25P80-VMW6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| | MX25L8005ZMI-15G | M25P80-VMP6TG | Footprint compatible, software compatible (except on 4KB sectors: see also M25PE/M45PE series) |
| 16Mb | MX25L1605-MC20G | M25P16-VMF6TP | Footprint compatible, software compatible (ST does not support the additional 4Kb sector, parallel mode and $V_{pp}=12V$) |
| | MX25L1605-ZMC20G | M25P16-VME6TG | |
| | MX25L1605-MI20G | M25P16-VMF6TP | |
| | MX25L1605-ZMI20G | M25P16-VME6TG | |
| 32Mb | MX25L3205-MC20G | M25P32-VMF6TP | |
| | MX25L3205-MI20G | M25P32-VMF6TP | |
| 64Mb | MX25L6405-MC20G | M25P64-VMF6TP | |
| | MX25L6405-MI20G | M25P64-VMF6TP | |

* Contact marketing for availability

Macronix – data and parameter storage

| Size | Macronix part number | ST part number | Variations between Macronix and ST |
|------|----------------------|----------------|--|
| 1Mb | MX25L1005MC-15G | M25EP10-VMN6TP | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L1005ZMC-15G | M25PE10-VMP6TG | |
| 2Mb | MX25L2005MC-15G | M25EP20-VMN6TP | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L2005ZMC-15G | M25PE20-VMP6TG | |
| 4Mb | MX25L4005MC-15G | M25EP40-VMW6TG | S08W instead of S08N, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L4005M2C-15G | M25EP40-VMW6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L4005ZMC-15G | M25PE40-VMP6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L4005MI-15G | M25EP40-VMW6TG | S08W instead of S08N, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L4005M2I-15G | M25EP40-VMW6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L4005ZMI-15G | M25PE40-VMP6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| 8Mb | MX25L8005MC-15G | M25PE80-VMW6TG | S08W instead of S08N, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L8005M2C-15G | M25PE80-VMW6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L8005ZMC-15G | M25PE80-VMP6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L8005MI-15G | M25PE80-VMW6TG | S08W instead of S08N, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L8005M2I-15G | M25PE80-VMW6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |
| | MX25L8005ZMI-15G | M25PE80-VMP6TG | Footprint compatible, software compatible up to 25Mhz (20Mhz on read) (partially on update and protection) |

Macronix Serial Flash part numbering scheme



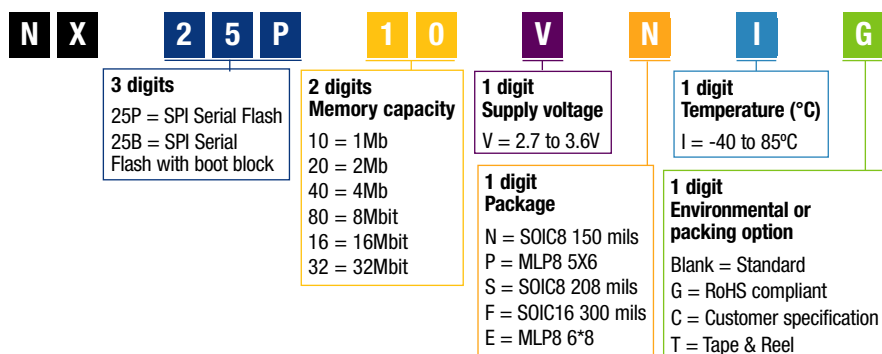
Nexflash – code storage

| Size | Nexflash part number | ST part number | Variations between Nexflash and ST |
|------|----------------------|----------------|--|
| 1Mb | NX25P10-VNI | M25P10-VMN6TP | Footprint compatible, software almost compatible except part of protection and read ID (RES is ok), also available in 3.0 to 3.6V at 40MHz |
| 2Mb | NX25P20-VNI | M25P10-VMN6TP | Footprint compatible, software almost compatible except read ID (RES is ok), also available in 3.0 to 3.6V at 40MHz |
| 4Mb | NX25P40-VNI | M25P40-VMN6TP | Footprint compatible, software almost compatible except part of protection and read ID (RES is ok), also available in 3.0 to 3.6V at 40MHz |
| 8Mb | NX25P80-VSI | M25P80-VMW6TP | Footprint compatible, software compatible (ST does not support extra 256bytes page for parameters) |
| 16Mb | NX25P16-VSI | M25P16-VME6TG | Propose MLP, footprint compatible, software compatible (ST does not support extra 256bytes page for parameters) |
| 32Mb | NX25P32-VFI | M25P16-VME6TG | Footprint compatible, software compatible (ST does not support extra 256bytes page for parameters) |
| | NX25P32-VFI | M25P32-VMF6TG | |
| | NX25P32-VEI | M25P32-VME6TG | |

Nexflash – data and parameter storage

| Size | Nexflash part number | ST part number | Variations between Nexflash and ST |
|------|----------------------|----------------|--|
| 4Mb | NX25B40-VNI | M25PE40-VMN6TP | Footprint compatible, software almost compatible (up to 25MHz) except part of protection and read ID, also available in 3.0 to 3.6V at 40MHz |

Nexflash Serial Flash part numbering scheme



PMC – code storage

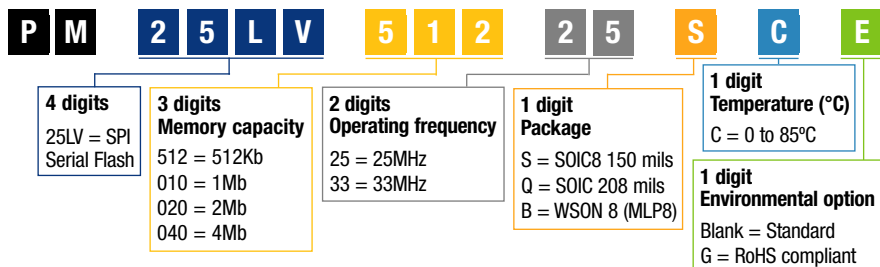
| Size | PMC part number | ST part number | Variations between PMC and ST |
|-------|-----------------|----------------|--|
| 512Kb | PM25LV512-25SCE | M25P05-AVMN6TP | Footprint compatible, download compatible at 20MHz, software to be adapted for update, compatible read ID |
| | PM25LV512-25SQE | M25P05-AVMP6TG | |
| 1Mb | PM25LV010-25SCE | M25P10-AVMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| | PM25LV010-25QCE | M25P10-AVMP6TG | |
| | PM25LV010-33SCE | M25P10-AVMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| | PM25LV010-33QCE | M25P10-AVMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| 2Mb | PM25LV020-33SCE | M25P20-VMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| | PM25LV020-33QCE | M25P20-VMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| 4Mb | PM25LV040-33SCE | M25P40-VMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| | PM25LV040-33QCE | M25P40-VMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |
| | PM25LV040-33BCE | M25P40-VMN6TP | SO8N instead of SO8W, download and update compatible at 33MHz, different read ID, bottom sector optionally split into four 1KB-sectors |

PMC – data and parameter storage

| Size | PMC part number | ST part number | Variations between PMC and ST |
|-------|-----------------|----------------|---|
| 512Kb | PM25LV512-25SCE | * | |
| | PM25LV512-25SQE | | |
| 1Mb | PM25LV010-25SCE | M25PE10-VMN6TP | Footprint compatible, download and update compatible at 25MHz, different read ID and protection |
| | PM25LV010-25QCE | M25PE10-VMP6TG | |
| | PM25LV010-33SCE | M25PE10-VMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| | PM25LV010-33QCE | M25PE10-VMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| 2Mb | PM25LV020-33SCE | M25PE20-VMN6TP | Footprint compatible, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| | PM25LV020-33QCE | M25PE20-VMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| 4Mb | PM25LV040-33SCE | M25PE40-VMW6TP | SO8W instead of SO8N, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| | PM25LV040-33QCE | M25PE40-VMP6TG | Footprint compatible but care to central pad, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |
| | PM25LV040-33BCE | M25PE40-VMW6TP | Footprint compatible, download and update compatible at 33MHz, different read ID and protection, bottom sector optionally split into four 1KB-sectors, hold in place of our reset |

* Contact marketing for availability

PMC Serial Flash part numbering scheme



Saifun – code storage

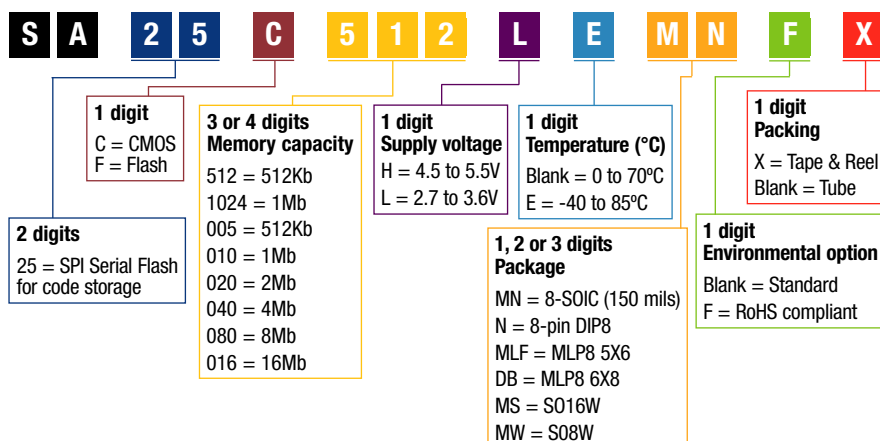
| Size | Saifun part number | ST part number | Variations between Saifun and ST |
|-------|--------------------|----------------|--|
| 512Kb | SA25C512LN | * | Uses EEPROM format, see also M45PExx series |
| | SA25C512LMN,X | M25P05-AVMN6T | |
| | SA25C512LEN | * | |
| | SA25C512LEMN,X | M25P05-AVMN6T | |
| | SA25C512HN | * | |
| | SA25C512HMN,X | | |
| | SA25C512HEN | | |
| | SA25C512HEMN,X | | |
| 1Mb | SA25C1024LN | M25P10-AVMN6T | |
| | SA25C1024LMN,X | | |
| | SA25C1024LEN | | |
| | SA25C1024LEMN,X | | |
| | SA25C1024HN | * | |
| | SA25C1024HMN,X | | |
| | SA25C1024HEN | | |
| | SA25C1024HEMN,X | | |
| 512Kb | SA25F005LEMNF | M25P05-AVMN6TP | Footprint compatible, software compatible (except RDID command and part of protection), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| | SA25F005LEMLFF | M25P05-AVMP6TG | |
| | SA25F005LENF | M25P05-AVMN6TP | S08N instead of DIP, software compatible (except RDID command and part of protection), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| 1Mb | SA25F010LEMNF | M25P10-AVMN6TP | Footprint compatible, software compatible (except RDID command), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| | SA25F010LEMLFF | M25P10-AVMN6TP | |
| | SA25F010LENF | M25P10-AVMN6TP | S08N instead of DIP, software compatible (except RDID command), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| 2Mb | SA25F020LEMNF | M25P20-AVMN6TP | Footprint compatible, software compatible (except RDID command), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| | SA25F020LEMLFF | M25P20-AVMP6TG | |
| | SA25F020LENF | M25P20-AVMN6TP | S08N instead of DIP, software compatible (except RDID command), also available in 0 to 70°C, see also M25PExx/M45PExx series |
| 4Mb | SA25F040LEMNF | M25P40-VMN6TP | Footprint compatible, software compatible (except RDID command, and read at 25Mhz for ST and 33Mhz for Saifun), also available in 0 to 70°C |
| | SA25F040LEMNF | M25P40-VMN6TP | |
| | SA25F040LENF | M25P40-VMN6TP | S08N instead of DIP, software compatible (except RDID command, and read at 25Mhz for ST and 33Mhz for Saifun), also available in 0 to 70°C |
| 8Mb | SA25F080LEMWF | M25P80-VMW6TP | Footprint compatible, software compatible (except RDID (different format), read at 25Mhz for ST and 33Mhz for Saifun, and part of protection), also available in 0 to 70°C |
| | SA25F080LEMLFF | M25P80-VMP6TG | |
| 16Mb | SA25F016LEMSF | M25P16-VMF6TP | Footprint compatible, software compatible (except RDID (different format), read at 25Mhz for ST and 33Mhz for Saifun, and part of protection), also available in 0 to 70°C |
| | SA25F016LEDBF | M25P16-VME6TG | |

* Contact marketing for availability

Saifun – data and parameter storage

| Size | Saifun part number | ST part number | Variations between Saifun and ST |
|-------|--------------------|----------------|--|
| 1Mb | SA25C1024LN | M25PE10-VMN6TP | S08N instead of PDID, uses EEPROM format (software to be adapted for update), also available in -40 to 85°C |
| | SA25C1024LMN,X | M25PE10-VMN6TP | Uses EEPROM format (software to be adapted for update), also available in -40 to 85°C |
| | SA25C1024LMLF,X | M25PE10-VMP6TG | |
| 2Mb | SA25C020LN | M25PE20-VMN6TP | S08N instead of PDID, uses EEPROM format (software to be adapted for update), also available in -40 to 85°C |
| | SA25C020LMN,X | M25PE20-VMN6TP | Uses EEPROM format (software to be adapted for update), also available in -40 to 85°C |
| | SA25C020LMLF,X | M25PE20-VMP6TG | |
| 512Kb | SA25F005LEMN | M25PE05-VMN6TP | Footprint compatible, software compatible (except RDID command, page erase and part of protection), also available in 0 to 70°C, see also M25Pxx series |
| | SA25F005LEMLFF | M25PE05-VMP6TG | |
| | SA25F005LENF | M25PE05-VMN6TP | S08N instead of DIP, software compatible (except RDID command, page erase and part of protection), also available in 0 to 70°C, see also M25Pxx series |
| 1Mb | SA25F010LEMN | M25PE10-VMN6TP | Footprint compatible, software compatible (except RDID command, page erase and part of protection), also available in 0° to 70°C, see also M25Pxx series |
| | SA25F010LEMLFF | M25PE10-VMP6TG | Footprint compatible, software compatible (except RDID command), also available in 0° to 70°C, see also M25Pxx series |
| | SA25F010LENF | M25PE10-VMN6TP | S08N in place of DIP, software compatible (except RDID command, page erase and part of protection), also available in 0 to 70°C, see also M25Pxx series |
| 2Mb | SA25F020LEMN | M25P20-VMN6TP | Footprint compatible, software compatible (except RDID command, page erase and part of protection), also available in 0 to 70°C, see also M25Pxx series |
| | SA25F020LEMLFF | M25P20-VMP6TG | |
| | SA25F020LENF | M25P20-VMN6TP | S08N instead of DIP, software compatible (except RDID command, page erase and part of protection), also available in 0 to 70°C, see also M25Pxx series |

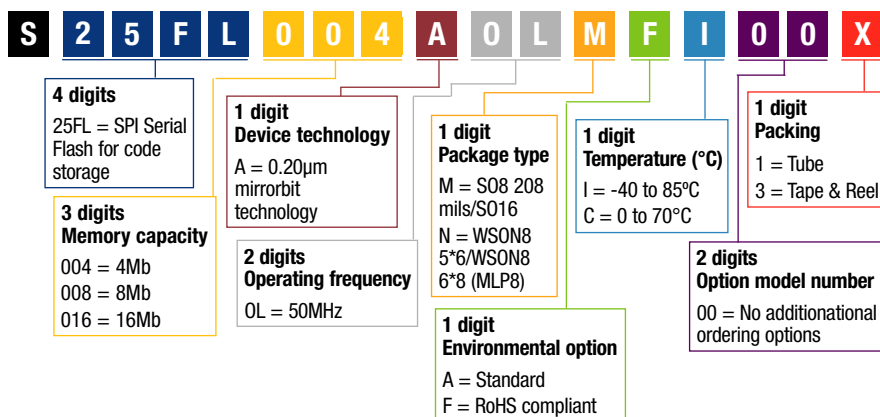
Saifun Serial Flash part numbering scheme



Spancion – code storage

| Size | Spancion part number | ST part number | Variations between Spancion and ST |
|------|----------------------|----------------|---|
| 4Mb | S25FL004A0LMFI | M25P40-VMN6TP | S08N instead of S08W, software compatible (all instructions up to 50Mhz, but read only up to 20Mhz for ST compared to 33Mhz for Spancion) |
| | S25FL004A0LNFI | M25P40-VMP6TG | |
| 8Mb | S25FL008A0LMFI | M25P40-VMW6TP | Footprint compatible, software compatible (all instructions up to 50Mhz, but read only up to 20Mhz for ST compared to 33Mhz for Spancion) |
| | S25FL008A0LNFI | M25P80-VMP6TG | |
| 16Mb | S25FL016A0LMFI | M25P16-VMF6TG | |
| | S25FL016A0LNFI | M25P16-VME6TG | |

Spancion Serial Flash part numbering scheme



SST – code storage

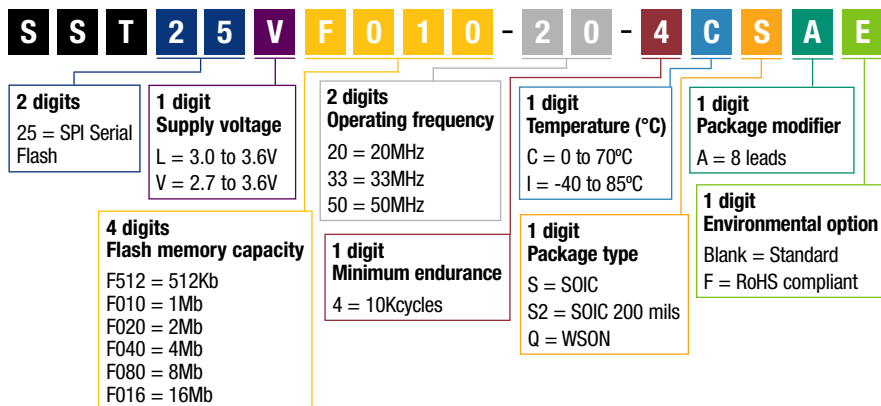
| Size | SST part number | ST part number | Variations between SST and ST |
|-------|-----------------------|----------------|--|
| 512Kb | SST25VF512-20-4C-SA | M25P05-AVMN6TP | Footprint compatible, download compatible at 20MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C |
| | SST25VF512-20-4C-QA | M25P05-AVMP6TG | |
| | SST25VF512A-33-4C-SA | M25P05-AVMN6TP | Footprint compatible, download compatible at 33MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF512A-33-4C-QA | M25P05-AVMP6TG | |
| 1Mb | SST25VF010-20-4C-SA | M25P10-AVMN6TP | Footprint compatible, download compatible at 20MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C |
| | SST25VF010-20-4C-QA | M25P10-AVMN6TP | |
| | SST25VF010A-33-4C-SA | M25P10-AVMN6TP | Footprint compatible, download compatible at 33MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF010A-33-4C-QA | M25P10-AVMP6TG | |
| 2Mb | SST25VF020-20-4C-SA | M25P20-VMN6TP | Footprint compatible, different sector size, download compatible at 20MHz, software to be adapted for update, ID read could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF020-20-4C-QA | M25P20-VMP6TG | |
| 4Mb | SST25VF040-20-4C-QA | M25P40-VMP6TG | S08N or MLP instead, different sector size, download compatible at 20MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF040-20-4C-S2A | M25P40-VMN6TP | |
| 8Mb | SST25VF080-33-4C-SA | M25P80-VMN6TP | Footprint compatible, different sector size, download compatible at 20MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C |
| | SST25VF080-33-4C-QA | M25P80-VMP6TG | |
| | SST25VF016-33-4C-QA | M25P16-VMP6TG | |
| 16Mb | SST25VF016B-50-4C-S2A | M25P16-VMF6TP | MLP8(6*8) or S016 instead of S08W, different sector size, instructions fully compatible except on read ID (Jedec ID ok) and page program (note2) (read only up to 20Mhz for ST, instead of 25MHz), also available in -40 to 85°C |
| | SST25VF016B-50-4C-QA | M25P16-VME6TG | MLP8(6*8) instead of MLP8(5*6), different sector size, instructions fully compatible except on read ID (Jedec ID ok) and page program (note2) (read only up to 20Mhz for ST, instead of 25MHz), also available in -40 to 85°C |
| 2Mb | SST25LF020A-33-4C-SA | M25P20-VMN6TP | Footprint compatible, different sector size, download compatible at 33MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25LF020A-33-4C-QA | M25P20-VMP6TG | |
| 4Mb | SST25LF040A-33-4C-S2A | M25P40-VMN6TP | S08N or MLP instead, different sector size, download compatible at 33MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25LF040A-33-4C-QA | M25P40-VMP6TG | Footprint compatible, different sector size, download compatible at 33MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| 8Mb | SST25LF080A-33-4C-S2A | M25P80-VMW6TP | |
| | SST25LF080A-33-4C-MA | M25P80-VMP6TG | |

SST – data and parameter storage

| Size | SST part number | ST part number | Variations between SST and ST |
|-------|-----------------------|-----------------|--|
| 512Kb | SST25VF512-20-4C-SA | M95512-VMN6TP | Footprint compatible, up to 10MHz, software to be adapted also available in -40 to 85°C and -20 to 85°C |
| | SST25VF512-20-4C-QA | M95512-VMN6TP | Footprint compatible (SO8N instead of MLP), up to 10MHz, software to be adapted, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF512A-33-4C-SA | M95512-VMN6TP | Footprint compatible, software to be adapted, up to 10MHz, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF512A-33-4C-QA | M95512-VMN6TP | Footprint compatible (SO8N instead of MLP), up to 10MHz, software to be adapted, also available in -40 to 85°C and -20 to 85°C |
| 1Mb | SST25VF010-20-4C-SA | M25PE10-AVMN6TP | Footprint compatible, different sector size, download compatible, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C |
| | SST25VF010-20-4C-QA | M25PE10-AVMN6TP | |
| | SST25VF010A-33-4C-SA | M25P10-AVMN6TP | Footprint compatible, different sector size, download compatible at 25MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF010A-33-4C-QA | M25P10-AVMP6TG | |
| 2Mb | SST25VF020-20-4C-SA | M25PE20-VMN6TP | Footprint compatible, different sector size, download compatible, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25VF020-20-4C-QA | M25PE20-VMP6TG | |
| 4Mb | SST25VF040-20-4C-QA | M25PE40-VMP6TG | |
| | SST25VF040-20-4C-S2A | M25PE40-VMW6TP | |
| 16Mb | SST25VF016B-50-4C-S2A | * | |
| | SST25VF016B-50-4C-QA | | |
| 2Mb | SST25LF020A-33-4C-SA | M25PE20-VMN6TP | Footprint compatible, different sector size, download compatible at 25MHz, software to be adapted for update, read ID could be compatible, also available in -40 to 85°C and -20 to 85°C |
| | SST25LF020A-33-4C-QA | M25PE20-VMP6TG | |
| 4Mb | SST25LF040A-33-4C-S2A | M25PE40-VMW6TP | |
| | SST25LF040A-33-4C-QA | M25PE40-VMP6TG | |
| 8Mb | SST25LF080A-33-4C-S2A | M25PE80-VMW6T | |
| | SST25LF080A-33-4C-MA | M25PE80-VMP6T | |

* Contact marketing for availability

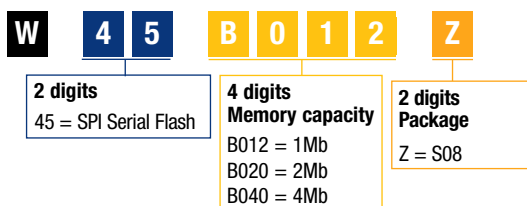
SST Serial Flash part numbering scheme



Winbond – code storage

| Size | Winbond part number | ST part number | Variations between Winbond and ST |
|-------|---------------------|----------------|---|
| 512Kb | W45B012Z | M25P10-AVMN6TP | Footprint compatible, software to be adapted for download and update, different read ID |
| 2Mb | W15B020US33M | M25P20-VMN6TP | Footprint compatible, software compatible |
| 4Mb | W15B040US33M | M25P40-VMN6TP | |

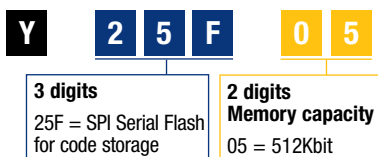
Winbond Serial Flash part numbering scheme



YMC – code storage

| Size | YMC part number | ST part number | Variations between YMC and ST |
|-------|-----------------|----------------|---|
| 512Kb | Y25F05 | M25P10-AVMN6T | Footprint compatible, download compatible at 20MHz, software to be adapted for update, compatible read ID |

YMC Serial Flash part numbering scheme





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