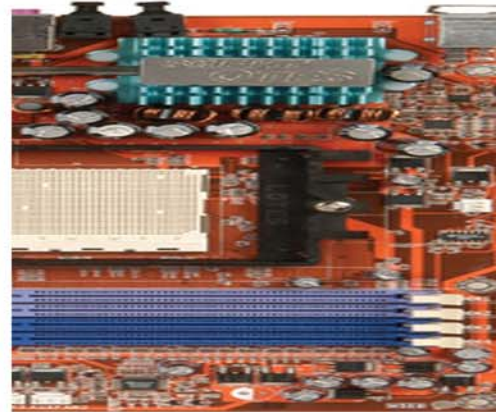


**UNIVERSAL PROGRAMMER FOR EPROM / EEPROM / FLASH MEMORIES  
27Cxxxx / 28Cxxxx / 28Fxxxx / 29Cxxxx / 29Fxxxx / 39Fxxxx / 49Fxxxx  
AND FOR SERIAL EEPROMS AND SPI FLASH 24Cxxx / 25xxx / 25Cxxx / 25Lxxx / 95xxx  
ON USB PORT**



# FlashBiosBox



## Introduction:

The FlashBiosBox is a device reader/programmer/copier supporting Eproms (2716 to 27C801 family) of 16Kb to 8Mb, parallel EEPROMs (28C16 to 28C040 family) up to 4Mb, parallel FLASH memory (28xxx, 29xxx, 37xxx, 39xxx, 49xxx, etc) of 512Kb to 8Mb, i2c and SPI EEPROMs memory (24Cxxx / 25xxx / 25Cxxx / 25Lxxx / 95xxx) until 16Mb. It is equipped with a LED indicating the different status of the programmer, a USB port, a high quality ZIF32 socket supporting devices in DIP packages of 8, 24, 28 or 32 pins and a PLCC32 socket supporting any 32-pin FLASH memory. The FlashBiosBox connects to the USB port of any compatible PC and does not require any external power supply which makes it very practical to use at the office or on a business trip. Its integrated supply runs all the devices requiring a supply of 2.5V / 3.3V / 5.0V / 12.0V / 12.5V / 13V / 21V and 25V.

The software works with Windows 98 / ME / 2000 / XP / VISTA / 7 / 8 / 10 / 11 (32bit and 64 bit).

## Features:

Accepts standard file formats: BINARY, INTEL (Extended) HEX, INTEL HEX16, Motorola S19/S28/S37 records  
Read / Write / Blank-Check Write / Verify / Blank-Check / Erase functions.

Support low voltage devices from 2,5V to 5,0V.

Support high Vpp programming voltage : 12,0V / 12,5V / 13,0V / 21,0V / 25,0V.

Not need exterior adapter for all DIP package devices : 8DIP, 24DIP, 28DIP and 32DIP, (ZIF32 socket).

PLCC32 adapter on board to program parallele FLASH memory.

SPI connectors to program on board devices, (GND, VDD, VPP, DATA0, DATA1, DATA2, DATA3, DATA4, DATA5, DATA7).

Supports Windows 98 / ME / 2000 / XP / VISTA / Win7 / Win8 / Win10 / Win11 (32bit and 64bit) with 10MB of spare capacity.

## Hardware & Electrical specifications:

Dimensions board : 150 x 125 x 38mm, Weight : 260g

Dimensions package : 250 x 185 x 55mm, Weight : 440g

Power supply on USB port.

Interface : connect to laptop or PC through USB port (USB 1.1, 2.0 or higher).

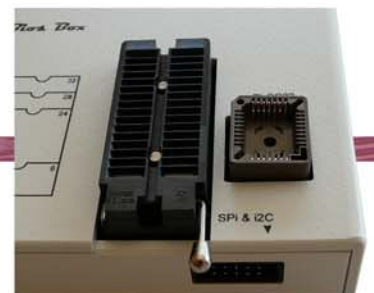
## Item includes:

Programmer with ZIF32 socket, 32PLCC support and SPI connector.

USB cable.

Software on CD in English, French, German, Dutch.

User manual in English and French.





## DEVICES LIST FLASHBIOSBOX

Push "CTRL + F" keys to find a component

Universal E(E)PROM / FLASH programmer  
Software revision 2.10

| Manufacturers:  | Devices:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACTRANS</b>  | AC39LV512                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AC39LV010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AC39LV020                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AC39LV040                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
| <b>AMD</b>      | AM2716B<br>AM27C64<br>AM27H256<br>AM27HB010<br>AM27LV010<br>AM2816A<br>AM28F256<br>AM29F001B<br>AM29F001T<br>AM29F002NT<br>AM29F040<br>AM29LV001B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AM2732B<br>AM27C128<br>AM27H010<br><br>AM27LV010B<br>AM2817A<br>AM28F512<br>AM29F001BB<br>AM29F002B<br>AM29F002T<br>AM29F040A<br>AM29LV001BB                                                                                                                                                                                                                                                                                                                                                                                                                | AM2764A<br>AM27C256<br><br>AM27LV020<br>AM2864A<br>AM28F001<br>AM29F001BT<br>AM29F002BB<br>AM29F004BB<br>AM29F040B<br>AM29LV001BT                                                                                                                                                                                                                                                                                                                                            | AM27128A<br>AM27C512<br><br>AM27LV020B<br>AM2864AE<br>AM28F010<br>AM29F001NB<br>AM29F002BT<br>AM29F004BT<br><br>AM29LV010B                                                                                                                                                                                                                                                                | AM27256<br>AM27C010<br><br>AM2864B<br>AM28F020<br>AM29F001NBB<br>AM29F002NB<br>AM29F010<br>AM29LV040B                                                                                                                                                                                                     | AM27512<br>AM27C020<br><br>AM2864BE<br><br>AM29F001NBT<br>AM29F002NBB<br>AM29F010A                                                                                                                                                                                          | Am27c040<br><br><br><br><br><br><br>AM29F001NT<br>AM29F002NBT<br>AM29F010B                                                                                                                                                                                                                  |
| <b>AMIC</b>     | A25L512<br>A25L05P<br>A276308A<br>A29512<br>A290011U<br>A29040B<br>A49LF004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A25L010<br>A25L10P<br>A276308AL<br>A29512A<br>A29002T<br>A29L004T<br>A49LF040                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A25L020<br>A25L20P<br>A27020<br>A29010<br>A29002U<br>A29L004U<br>A49LF040A                                                                                                                                                                                                                                                                                                                                                                                                   | A25L040<br>A25L40P<br>A27020L<br>A29010A<br>A290021T<br>A29L004AT                                                                                                                                                                                                                                                                                                                         | A25L080<br>A25L80P<br><br>A29001T<br>A290021U<br>A29L004AU                                                                                                                                                                                                                                                | A25L016<br>A25L16P<br><br>A29001U<br>A29040<br>A29L040                                                                                                                                                                                                                      | A25L032<br><br><br><br>A290011T<br>A29040A                                                                                                                                                                                                                                                  |
| <b>ASI</b>      | AS29F010CW<br>SMJ28F010B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AS29F040CW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
| <b>ATMEL</b>    | AT24C01<br>AT24C08A<br>AT24C64<br>AT24C256BN<br>AT24CS128<br>AT24RF08CN<br>AT25010<br>AT25128<br>AT25DF021<br>AT25F512B<br>AT25SF010<br>AT27BV256<br>AT27C256R<br>AT27C080<br>AT27HC64<br>AT27LV256A<br>AT27LV020<br>AT28BV16<br>AT28C04<br>AT28C64<br>AT28C256F<br>AT28HC16<br>AT28HC256F<br>AT28LV64<br>AT28MC010<br>AT28PC64<br>AT29BV010A<br>AT29C256<br>AT29C040A<br>AT29LV256<br>AT29LV040A<br>AT49BV512<br>AT49BV001NT<br>AT49BV002AT<br>AT49BV040B<br>AT49F512<br>AT49F001NT<br>AT49F002AT<br>AT49F040T<br>AT49HBV010<br>AT49HF010<br>AT49HLV010<br>AT49LH002<br>AT49LL020<br>AT49LV001<br>AT49LV001T<br>AT49LV002N<br>AT49LV040 | AT24C01A<br>AT24C16<br>AT24C64A<br>AT24C512<br>AT24CS256<br>AT24RF08CT<br>AT25020<br>AT25256<br>AT25DF041A<br>AT25F1024<br>AT25SF040<br>AT27BV512<br>AT27C512<br><br>AT27HC64L<br>AT27LV256R<br>AT27LV020A<br>AT28BV64<br>AT28C16<br>AT28C64B<br>AT28C010<br>AT28HC16L<br>AT28HC256F<br>AT28LV64B<br>AT28MC020<br>AT28PC64E<br>AT29BV020<br>AT29C257<br><br>AT29LV257<br><br>AT49BV001<br>AT49BV001T<br>AT49BV002N<br>AT49BV040T<br>AT49F001<br>AT49F001T<br>AT49F002N<br><br>AT49LH004<br>AT49LL040<br>AT49LV001A<br>AT49LV020<br>AT49LV002NT<br>AT49LV080 | AT24C21<br>AT24C16A<br>AT24C64B<br>AT24C1024<br><br>AT25040<br><br>AT25DF081<br>AT25F2048<br><br>AT27BV010<br>AT27C512R<br><br>AT27HC256<br>AT27LV512A<br>AT27LV040<br>AT28BV64B<br>AT28C16E<br>AT28C64E<br>AT28C010E<br>AT28HC64<br>AT28HC256L<br>AT28LV256<br>AT28MC040<br><br>AT29BV040A<br>AT29C512<br><br>AT29LV512<br><br>AT49BV001A<br>AT49BV010<br>AT49BV002NT<br><br>AT49F001A<br>AT49F010<br>AT49F002NT<br><br>AT49LL080<br>AT49LV001AN<br>AT49LV002<br>AT49LV002T | AT24C02<br>AT24C164<br>AT24C128<br>AT24C1024W<br><br>AT25080<br><br>AT25DF161<br>AT25F4096<br><br>AT27BV020<br>AT27C010<br><br>AT27HC256R<br>AT27LV512R<br>AT27LV040A<br>AT28BV256<br>AT28C16F<br>AT28C64F<br>AT28C040<br>AT28HC64B<br>AT28HC256LE<br>AT28LV010<br><br>AT29C010<br><br>AT29LV010<br><br>AT49BV001AN<br>AT49BV002<br>AT49BV002T<br><br>AT49F001AN<br>AT49F002<br>AT49F002T | AT24C02A<br>AT24C32<br>AT24C256<br><br>AT25160<br><br>AT25DF321A<br><br>AT27BV040<br>AT27C010L<br><br>AT27LV010<br><br>AT28C17<br>AT28C64X<br><br>AT28HC64L<br>AT28HC256LF<br><br>AT29C010A<br><br>AT29LV010AT<br><br>AT49BV001ANT<br>AT49BV002A<br>AT49BV020<br><br>AT49F001ANT<br>AT49F002A<br>AT49F020 | AT24C04<br>AT24C32A<br>AT24C256N<br><br>AT25320<br><br>AT25DF641<br><br>AT27C020<br><br>AT27LV010A<br><br>AT28C17E<br>AT28C256<br><br>AT28HC256<br><br>AT29C020<br><br>AT29LV020<br><br>AT49BV001AT<br>AT49BV002AN<br>AT49BV040<br><br>AT49F001AT<br>AT49F002AN<br>AT49F040 | AT24C08<br>AT24C32B<br>AT24C256B<br><br><br><br>AT25640<br><br><br><br>AT27C040<br><br><br>AT27LV010AL<br><br><br>AT28C17F<br>AT28C256E<br><br>AT28HC256E<br><br><br>AT29C040<br><br>AT29LV040<br><br>AT49BV001N<br>AT49BV002ANT<br>AT49BV040A<br><br>AT49F001N<br>AT49F002ANT<br>AT49F040A |
| <b>AUSTIN</b>   | SMJ27C040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
| <b>BRIGHT</b>   | BM29F040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
| <b>CATALYST</b> | CAT25010<br>CAT25C01<br>CAT25C09<br>CAT25C128<br>CAT2764A<br>CAT27HC256<br>CAT28C16<br>CAT28C64BI<br>CAT28LV64<br>CAT28F512N<br>CAT28F020P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CAT25020<br>CAT25C11<br>CAT25C16<br>CAT25C256<br>CAT27128A<br>CAT27HC256L<br>CAT28C16AI<br>CAT28C256<br>CAT28LV256<br>CAT28F512P<br>CAT28F020T                                                                                                                                                                                                                                                                                                                                                                                                              | CAT25040<br>CAT25C02<br>CAT25C17<br><br>CAT27256<br><br>CAT28C17A<br>CAT28C256I<br><br>CAT28F512T                                                                                                                                                                                                                                                                                                                                                                            | CAT25C03<br>CAT25C32<br><br>CAT27512<br><br>CAT28C17AI<br>CAT28C512<br><br>CAT28F010N                                                                                                                                                                                                                                                                                                     | CAT25C04<br>CAT25C33<br><br>CAT27010<br><br>CAT28C64A<br>CAT28C513<br><br>CAT28F010P                                                                                                                                                                                                                      | CAT25C05<br>CAT25C64<br><br><br><br>CAT28C64AI<br><br>CAT28F010T                                                                                                                                                                                                            | CAT25C08<br>CAT25C65<br><br><br><br>CAT28C64B<br><br>CAT28F020N                                                                                                                                                                                                                             |

|                            |                                                                                                                                                                                                                                |                                                                                                                                                                                                                   |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DEUTRON</b>             | P439LV010                                                                                                                                                                                                                      | P439LV040                                                                                                                                                                                                         |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>EFST / ESMT</b>         | F25L08PA<br>F25S004A<br>F49B002UA<br>F49L004BA                                                                                                                                                                                 | F25L16PA<br><br>F49L004UA                                                                                                                                                                                         | F25L32PA<br><br>F49L040A                                                                                                                                                                             | F25L32Q                                                                                                                                                                                              | F25L004A                                                                                                                                                                                        | F25L008A                                                                                                                                                                               |                                                                                                                                                                                     |
| <b>EON / CFEON</b>         | EN27C512<br>EN27LV512<br>EN29F512<br>EN29F002NB<br>EN29LV512<br>EN39LV010                                                                                                                                                      | EN27C010<br>EN27LV512B<br>EN29F010<br>EN29F002NT<br>EN29LV010                                                                                                                                                     | EN27C020<br>EN27LV010<br>EN29F002AB<br>EN29F002T<br>EN29LV040                                                                                                                                        | EN27LV010B<br>EN29F002ANB<br>EN29F040<br>EN29LV040A                                                                                                                                                  | EN27LV020<br>EN29F002ANT<br>EN29F040A                                                                                                                                                           | EN27LV020B<br>EN29F002AT                                                                                                                                                               | EN29F002B                                                                                                                                                                           |
| <b>EXEL</b>                | XLE28C16A<br>XLM28C16A<br>XLS2816A<br>XLS28C16A<br>XL28C256                                                                                                                                                                    | XLE28C16B<br><br>XLS2817A<br>XLS28C16B                                                                                                                                                                            | <br><br><br>XLS28C64B                                                                                                                                                                                |                                                                                                                                                                                                      |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>FAIRCHILD</b>           | FM25C020<br>NM25C020<br>FM27C256<br>FM27LV010<br>NM27C64<br>NM27LC64<br>NM27LV512<br>NM27P512<br>NMC27C16B                                                                                                                     | FM25C040<br>NM25C04<br>FM27C512<br><br>NM27C128<br>NM27LC512<br>NM27LV010<br>NM27P040<br>NMC27C16BQ                                                                                                               | FM25C041<br>NM25C040<br>FM27C010<br><br>NM27C256<br><br>NM27LV010B<br><br>NMC27C32                                                                                                                   | FM25C160<br>NM25C041<br>FM27C040<br><br>NM27C512<br><br><br>NMC27C32E                                                                                                                                | FM25C640<br>NM25C160<br><br><br>NM27C010<br><br><br>NMC27C32Q                                                                                                                                   | NM25C640<br><br><br><br>NM27C020                                                                                                                                                       | NM27C040<br><br><br><br><br><br>NM29F002NT<br>MBM29F040B                                                                                                                            |
| <b>FORCE TECHNOLOGIES</b>  | FT28C16<br>FT28C010E<br>FT28HC64                                                                                                                                                                                               | FT28C64<br>FT28C020                                                                                                                                                                                               | FT28C64B<br>FT28C040                                                                                                                                                                                 | FT28C64X                                                                                                                                                                                             | FT28C256                                                                                                                                                                                        | FT28C256B                                                                                                                                                                              | FT28C010                                                                                                                                                                            |
| <b>FUJITSU</b>             | MBM2764<br>MBM27C256A<br>MBM27C4001<br>MBM28C64<br>MBM28F010<br>MBM29F010<br>MBM29F002T<br>MBM29F040C<br>MBM29LV001B                                                                                                           | MBM27128<br>MBM27C256AP<br><br>MBM28C65<br>MBM29F010A<br>MBM29F004B                                                                                                                                               | MBM27C256H<br><br><br>MBM29F001B<br>MBM29F004T                                                                                                                                                       | MBM27C512<br><br><br>MBM29F001T<br>MBM29F004BC                                                                                                                                                       | MBM27C1000<br><br><br>MBM29F002B<br>MBM29F004TC                                                                                                                                                 | MBM27C1001<br><br><br>MBM29F002NB<br>MBM29F040                                                                                                                                         | MBM27C1001A<br><br><br>MBM29F002NT<br>MBM29F040B                                                                                                                                    |
| <b>GENERAL INSTRUMENTS</b> | 27256<br>27C64<br>27HC64                                                                                                                                                                                                       | 27C128<br>27HC64L                                                                                                                                                                                                 | 27C256                                                                                                                                                                                               | 27C512                                                                                                                                                                                               |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>GREENWICH</b>           | GR2764                                                                                                                                                                                                                         | GR27128                                                                                                                                                                                                           | GR27256                                                                                                                                                                                              | GR27512                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>HITACHI</b>             | HN27128A<br>HN27C256A<br>HN28F101                                                                                                                                                                                              | HN27256<br>HN27C256H<br>HN28F101C                                                                                                                                                                                 | HN27512<br>HN27C256G<br>HN28F101CP                                                                                                                                                                   | HN27C256FP<br>HN28F101P                                                                                                                                                                              | HN27C101A<br>HN28F101T                                                                                                                                                                          | HN27C4001                                                                                                                                                                              |                                                                                                                                                                                     |
| <b>HOLTEK</b>              | HT27C512<br>HT27LC512                                                                                                                                                                                                          | HT27C010<br>HT27LC010                                                                                                                                                                                             | HT27C020<br>HT27LC020                                                                                                                                                                                | HT27C040<br>HT27LC040                                                                                                                                                                                |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>HYNIX / HYUNDAI</b>     | HY2764<br>HY29F002B                                                                                                                                                                                                            | HY2764A<br>HY29F002T                                                                                                                                                                                              | HY29F040                                                                                                                                                                                             | HY29F040A                                                                                                                                                                                            |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>ICE</b>                 | ICE27C512                                                                                                                                                                                                                      | ICE27C010                                                                                                                                                                                                         |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>IMT</b>                 | IM29F001B<br>IM29LV004B                                                                                                                                                                                                        | IM29F001T<br>IM29LV004T                                                                                                                                                                                           | IM29F002B                                                                                                                                                                                            | IM29F002T                                                                                                                                                                                            | IM29F004B                                                                                                                                                                                       | IM29F004T                                                                                                                                                                              |                                                                                                                                                                                     |
| <b>INFINEON / SIEMENS</b>  | SDA2516-5<br>SDE2516                                                                                                                                                                                                           | SDA25256-2<br>SDE2526                                                                                                                                                                                             | SDA2526-5                                                                                                                                                                                            | SDA2546-5                                                                                                                                                                                            | SDA2586                                                                                                                                                                                         | SDA25X46-5                                                                                                                                                                             | SDA25X86-5                                                                                                                                                                          |
| <b>INTEL</b>               | 27C256<br>2816<br>28F256                                                                                                                                                                                                       | 2816A<br>28F256A                                                                                                                                                                                                  | 2817A<br>28F512                                                                                                                                                                                      | 2864A<br>28F010                                                                                                                                                                                      | 28F020                                                                                                                                                                                          |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>ISSI</b>                | IS25C01<br>IS25C128<br>IS27C256<br>IS27DV256<br>IS27HC256<br>IS27LV256<br>IS28F010                                                                                                                                             | IS25C02<br>IS25C256<br>IS27C512<br><br>IS27HC512<br>IS27LV512<br>IS28F020                                                                                                                                         | IS25C04<br><br>IS27C010<br><br>IS27HC010<br>IS27LV010                                                                                                                                                | IS25C08<br><br>IS27C020<br><br>IS27HC020<br>IS27LV020                                                                                                                                                | IS25C16                                                                                                                                                                                         | IS25C32                                                                                                                                                                                | IS25C64                                                                                                                                                                             |
| <b>MACRONIX</b>            | MX27C256<br>MX27C4000<br>MX27L256<br>KH29LV004C<br>MX29F001B<br>MX29F022NB<br>MX29F004CB<br>MX29LV002CB<br>MX29LV004T                                                                                                          | MX27C512<br>MX27C4000A<br>MX25L512A<br>KH29LV040C<br>MX29F001T<br>MX29F022NT<br>MX29F004CT<br>MX29LV002CT<br>MX29LV040                                                                                            | MX27C1000<br>MX27C8000<br>MX27L1000<br>MX29F002B<br>MX29F022T<br>MX29LV002NCB<br>MX29LV040B                                                                                                          | MX27C1000A<br>MX27C8000A<br>MX27L2000<br>MX29F002NB<br>MX29F040<br>MX29LV002NCT<br>MX29LV040V                                                                                                        | MX27C1001<br>MX27C8000A<br>MX27L4000<br>MX29F002NT<br>MX29F040C<br>MX29LV004B<br>MX29LV040WC                                                                                                    | MX27C2000<br>MX29F002T<br>MX29F004B                                                                                                                                                    | MX27C2000A<br>MX29F022B<br>MX29F004T<br>MX29LV004CT                                                                                                                                 |
| <b>MAXWELL</b>             | 28C010                                                                                                                                                                                                                         | 28C010T                                                                                                                                                                                                           |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                                                                                 |                                                                                                                                                                                        |                                                                                                                                                                                     |
| <b>MICROCHIP</b>           | 24AA00<br>24AA04<br>24AA32AX<br>24AA515<br>24C02B<br>24C32<br>24FC16<br>24FC515<br>24LC00<br>24LC024<br>24LC09<br>24LC64<br>24LC1025<br>24LCS21<br>24LCS41A<br>25AA010A<br>25AA160<br>25AA128<br>25C040<br>25LC010A<br>25LC160 | 24AA01<br>24AA08<br>24AA64<br>24AA1025<br>24C02C<br>24C32A<br>24FC32<br>24FC1025<br>24LC01B<br>24LC025<br>24LC16B<br>24LC64X<br>24LCS21A<br><br>25AA020A<br>25AA160A<br>25AA256<br>25C080<br>25LC020A<br>25LC160A | 24AA014<br>24AA16<br>24AA64X<br>24C00<br>24C04A<br>24C64<br>24FC64<br><br>24LC014<br>24LC22A<br>24LC164<br>24LC65<br>24LCS22A<br><br>25AA040<br>25AA160B<br>25AA512<br>25C160<br>25LC040<br>25LC160B | 24AA02<br>24AA164<br>24AA65<br>24C01A<br>24C08A<br>24C65<br>24FC65<br><br>24LC21<br>24LC04B<br>24LC174<br>24LC128<br>24LCS61<br><br>25AA040A<br>25AA320<br>25AA1024<br>25C320<br>25LC040A<br>25LC320 | 24AA024<br>24AA174<br>24AA128<br>24C01A<br>24C08B<br>24C128<br>24FC128<br><br>24LC21A<br>24LC41<br>24LC32<br>24LC256<br>24LCS52<br><br>25AA080<br>25AA320A<br><br>25C640<br>25LC080<br>25LC320A | 24AA025<br>24AA32<br>24AA256<br>24C01B<br>24C16A<br>24C256<br>24FC256<br><br>24LC211<br>24LC41A<br>24LC32A<br>24LC512<br>24LCS62<br><br>25AA080A<br>25AA640<br><br>25LC080A<br>25LC640 | 24AA52<br>24AA32A<br>24AA512<br>24C02A<br>24C16B<br><br>24FC512<br><br>24LC02B<br>24LC08B<br>24LC32AX<br>24LC515<br>24LCS41<br><br>25AA080B<br>25AA640A<br><br>25LC080B<br>25LC640A |

|                         |                                                                                                                                                                                                                    |                                                                                                                                                                                   |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|
|                         | 25LC128<br>27C64<br>27HC64<br>27LV64<br>2817<br>28C16<br>28C17B<br>28LV64A<br>28PC64                                                                                                                               | 25LC256<br>27C128<br>27HC64L<br>27LV256<br>2864<br>28C16A<br>28C17F                                                                                                               | 25LC512<br>27C256<br>27HC128<br>27LV512                                                                                                                          | 25LC1024<br>27C512<br>27HC256                                                                                   | 27C512A<br>27HC256L                                                                             |                                                                      |                                           |
| MITSUBISHI              | M5L27256K<br>M5M27C256K<br>M5M28F101                                                                                                                                                                               | M5L27512K<br>M5M28F101A                                                                                                                                                           |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| MOSEL-VITELIC           | V29C31004B<br>V29C51002T<br>V29LV51000                                                                                                                                                                             | V29C31004T<br>V29C51004B<br>V29LC51001                                                                                                                                            | V29C51000B<br>V29C51004T<br>V29LC51002                                                                                                                           | V29C51000T                                                                                                      | V29C51001B<br>V29C51001T                                                                        | V29C51002B                                                           |                                           |
| NATIONAL SEMICONDUCTORS | NM25C020<br>NM27C64<br>NM27C040Q<br>NM27LC256<br>NM27LV512<br>NM27P512<br>NMC27C16B<br>NMC27C64Q<br>NMC27C256Q                                                                                                     | NM25C04<br>NM27C128<br>NM27LC512<br>NM27LV010<br>NM27P040<br>NMC27C16BQ<br>NMC27C64N<br>NMC27C512A                                                                                | NM25C040<br>NM27C256<br>NM27LV010B<br>NMC27C32<br>NMC27C128B<br>NMC27C010                                                                                        | NM25C041<br>NM27C512<br>NMC27C32E<br>NMC27C128BN<br>NMC27C020                                                   | NM25C160<br>NM27C010<br>NMC27C32Q<br>NMC27C128BQ<br>NMC27C256                                   | NM25C640<br>NM27C020<br>NMC27C32B<br>NMC27C256<br>NMC27C256BN        | NM27C040                                  |
| NEC                     | μPD28C64                                                                                                                                                                                                           | μPD286256                                                                                                                                                                         |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| NSC                     | NS2816A<br>2864                                                                                                                                                                                                    |                                                                                                                                                                                   |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| OKI                     | MSM2764A<br>MSM27C256<br>MSM2816A(RS)<br>MSM28C16A                                                                                                                                                                 | MSM27128A<br>MSM27C256H                                                                                                                                                           | MSM27256<br>MSM27C256ZB                                                                                                                                          | MSM27512<br>MSMB7C256HZB                                                                                        | MSM271000<br>MSM27C101ZB                                                                        | MSM27C2000                                                           | MSM27C401CZ                               |
| PHILIPS                 | 27C64A                                                                                                                                                                                                             | 27C256                                                                                                                                                                            | 27C512                                                                                                                                                           | 27C010                                                                                                          | 27C040                                                                                          |                                                                      |                                           |
| PMC                     | PM29F002B<br>PM29LV002B<br>PM39F512<br>PM39LV512                                                                                                                                                                   | PM29F002T<br>PM29LV002T<br>PM39F010<br>PM39LV010                                                                                                                                  | PM29F004B<br>PM29LV004B<br>PM39F020<br>PM39LV010R                                                                                                                | PM29F004T<br>PM29LV004T<br>PM39F040<br>PM39LV020                                                                | PM29LV104RB<br>PM29LV104RT<br>PM39LV040                                                         |                                                                      |                                           |
| PSS                     | PS29FS001<br>PS29LP001                                                                                                                                                                                             |                                                                                                                                                                                   |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| RENESAS                 | HN28F101<br>LE28VF2001ATS                                                                                                                                                                                          | LE28VF4001ATS                                                                                                                                                                     |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| ROCKWELL                | R2816                                                                                                                                                                                                              |                                                                                                                                                                                   |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| SAMSUNG                 | KM2816A<br>KM28C16<br>KM28C64I                                                                                                                                                                                     | KM2816AI<br>KM28C16I<br>KM28C256                                                                                                                                                  | KM2817A<br>KM28C17<br>KM28C256I                                                                                                                                  | KM2817AI<br>KM28C17I                                                                                            | KM2864A<br>KM28C64                                                                              | KM2864AH<br>KM28C64A                                                 | KM28C64B                                  |
| SANYO                   | LE28F2001ATS                                                                                                                                                                                                       | LE28F4001ATS                                                                                                                                                                      |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| SEEQ                    | 2816A<br>DQ2864<br>DQ28C64<br>E28C64<br>M28C64<br>PQ2864<br>PQ28C64<br>DQ28C256                                                                                                                                    | 2816AH<br>DQ2864AH<br>DQ28C64A<br>PQ2864H                                                                                                                                         |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| SIGNETICS (PHILIPS)     | 27C256                                                                                                                                                                                                             | 27C512                                                                                                                                                                            | 27C010                                                                                                                                                           |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| SPACE ELECTRONICS       | 28C010                                                                                                                                                                                                             | 28C010T                                                                                                                                                                           |                                                                                                                                                                  |                                                                                                                 |                                                                                                 |                                                                      |                                           |
| SPANSION                | AM29F002B<br>AM29F002T<br>AM29F040A<br>AM29LV001BB<br>MBM29F001B<br>MBM29F004TC<br>MBM29LV001B                                                                                                                     | AM29F002BB<br>AM29F004BB<br>AM29F040B<br>AM29LV001BT<br>MBM29F001T<br>MBM29F010A<br>MBM29LV001BB                                                                                  | AM29F002BT<br>AM29F004BT<br>AM29LV010B<br>MBM29F002B<br>MBM29F010A<br>MBM29LV001BC                                                                               | AM29F002NB<br>AM29F010<br>AM29LV040B<br>MBM29F002NB<br>MBM29F040<br>MBM29LV001BT                                | AM29F002NBB<br>AM29F010A<br>MBM29F002NT<br>MBM29F040B<br>MBM29LV001T                            | AM29F002NBT<br>AM29F010B<br>MBM29F002T<br>MBM29F040C<br>MBM29LV001TC | AM29F002NT<br>AM29F040<br>MBM29F004BC     |
| SST                     | SST28SF040<br>SST28VF040<br>SST29SF512<br>SST29VF512<br>SST39LF512<br>SST39LH512<br>SST39SF512<br>SST39SF040<br>SST39VF512<br>SST49LF002A<br>SST49LF020                                                            | SST28SF040A<br>SST28VF040A<br>SST29SF010<br>SST29VF010<br>SST39LF010<br>SST39LH010<br>SST39SF512A<br>SST39SF040P<br>SST39VF010<br>SST49LF002B<br>SST49LF020A                      | SST28LF040<br>SST29SF020<br>SST29VF020<br>SST39LF020<br>SST39LH020<br>SST39SF010<br>SST39VF020<br>SST49LF003A<br>SST49LF030A                                     | SST29SF040<br>SST29VF040<br>SST39LF040<br>SST39LH040<br>SST39SF010A<br>SST39VF020P<br>SST49LF003B<br>SST49LF040 | SST39SF020<br>SST39SF020A<br>SST39VF040<br>SST49LF004A<br>SST49LF040A                           | SST39SF020A<br>SST39VF040P<br>SST49LF004B<br>SST49LF040B             | SST39SF020P<br>SST49LF008A<br>SST49LF080A |
| ST                      | M24128<br>M24C01<br>M24M01<br>ST24C02<br>ST24W02<br>ST24E16<br>M2716F<br>M2764<br>M27C64A<br>M27V256<br>M27W256<br>ST2764A<br>ST27C256<br>TS27C64<br>M28256<br>M28C16<br>M28C64X<br>M28LV64<br>TS28C16A<br>M28F256 | M24128B<br>M24C02<br>ST24C02R<br>ST24W04<br>M2716-1F<br>M2764A<br>M27C256B<br>M27V512<br>M27W256B<br>ST27128A<br>TS27C64A<br>M28010<br>M28C16A<br>M28C010<br>TS28C17A<br>M28F256A | M24256<br>M24C04<br>ST24C04<br>ST24W08<br>M2732A<br>M27128A<br>M27C512<br>M27V101<br>M27W512<br>ST27256<br>TS27C256<br>M28010W<br>M28C16B<br>M28C010W<br>M28F512 | M24256B<br>M24C08<br>ST24C08<br>ST24W16<br>M27256<br>M27C1001<br>M27V201<br>M27W101<br>M28C17A<br>M28F101       | M24256-A<br>M24C16<br>ST24C16<br>M27512<br>M27C2001<br>M27V401<br>M27W201<br>M28C17B<br>M28F201 | M24C32<br>M27C4001<br>M27V801<br>M27W401<br>M28C64                   | M24C64<br>M27C801<br>M27W801<br>M28C64C   |

|                          |                                                                                                                                                                       |                                                                                                                                                |                                                                                                                              |                                                                                                                    |                                                                                                       |                                                                                            |                                                                                            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|                          | M29F512B<br>M29F040<br>M29V040<br>M29W512B<br>M95010<br>M95128                                                                                                        | M29F002B<br>M29F040B<br><br>M29W010B<br>M95020<br>M95256                                                                                       | M29F002BB<br><br>M29W022BB<br>M95040<br>M95512                                                                               | M29F002BNT<br><br>M29W022BT<br>M95080                                                                              | M29F002BT<br><br>M29W040<br>M95160                                                                    | M29F002T<br><br>M29W040B<br>M95320                                                         | M29F010B<br><br><br>M95640                                                                 |
| <b>SYNCMOS</b>           | F29C31004B<br>F29C51002T<br>S29C31001B<br>S29C51001T                                                                                                                  | F29C31004T<br>F29C51004B<br>S29C31001Y<br>S29C51002B                                                                                           | F29C51000B<br>F29C51004T<br>S29C31002B<br>S29C51002T                                                                         | F29C51000T<br><br>S29C31002T<br>S29C51004B                                                                         | F29C51001B<br><br>S29C31004B<br>S29C51004T                                                            | F29C51001T<br><br>S29C31004T                                                               | F29C51002B<br><br>S29C51001B                                                               |
| <b>TEXAS INSTRUMENTS</b> | TMS2516<br>SMJ27C256<br>TMS27C64<br>TMS27C040<br>TMS27LV010A<br>TMS27PC64<br>TMS27PC040<br>TMS28F512<br>TMS29F256<br>TMS29LF040<br>TMS29VF040                         | TMS2532<br>SMJ27C512<br>TMS27C128<br><br>TMS27PC128                                                                                            | TMS2564<br><br>TMS27C256<br><br>TMS27PC256                                                                                   | <br><br>TMS27C512<br><br>TMS27PC512                                                                                | <br><br>TMS27C010<br><br>TMS27PC010                                                                   | <br><br>TMS27C010A<br><br>TMS27PC010A                                                      | <br><br>TMS27C020<br><br>TMS27PC020                                                        |
| <b>TOSHIBA</b>           | TMM27256BD                                                                                                                                                            | TMM27512AD                                                                                                                                     |                                                                                                                              |                                                                                                                    |                                                                                                       |                                                                                            |                                                                                            |
| <b>TURBO IC</b>          | 29C010                                                                                                                                                                | 29C021                                                                                                                                         |                                                                                                                              |                                                                                                                    |                                                                                                       |                                                                                            |                                                                                            |
| <b>VLSI</b>              | VT27C64<br>VT28H64<br>VT28HC64                                                                                                                                        | VT27C256                                                                                                                                       | VT27C512                                                                                                                     |                                                                                                                    |                                                                                                       |                                                                                            |                                                                                            |
| <b>WINBOND</b>           | W27C512<br>W27E256<br>W27L01<br>W29C512<br>W29EE512<br>W29F002<br>W39F010<br>W39L512<br>W39V040A<br>W39V080FA<br>W49F002<br>W49V002                                   | W27C010<br>W27E257<br>W27L010<br>W29C010<br>W29EE010<br>W29F002B<br>W39L010<br>W39V040B<br>W49F002A<br>W49V002A                                | W27C020<br>W27E512<br>W27L02<br>W29C011<br>W29EE011<br>W29F002N<br>W39L020<br>W39V040C<br>W49F002B<br>W49V002FA              | W27C020M<br>W27E010<br>W27L02P<br>W29C011A<br>W29EE012<br>W29F002U<br>W39L040<br>W39V080A<br>W49F002N<br>W49V002FP | <br>W27E020<br>W27L02Q<br>W29C020<br><br>W29F040<br><br>W39L040A<br>W39V040FA<br>W49F002U<br>W49V002P | <br>W27E040<br><br>W29C020C<br><br><br><br>W49F020                                         | <br><br><br>W29C040<br><br><br><br><br><br>W39V040FC                                       |
| <b>XICOR</b>             | X25C02<br>X25020<br>X25080<br>X25168<br>X25326<br>X25642<br>X25650<br>X25F047<br>X2816A<br>X28010<br>X28C04<br>X28C513<br>X28HC16<br>X28LC512<br>X28VC256<br>XM28C010 | X25021<br>X25097<br>X25169<br>X25328<br>X25643<br>X25128<br>X25F087<br>X2816B<br><br>X28C16A<br>X28C010<br>X28HC64<br>X28LC513<br><br>XM28C020 | X25040<br>X25160<br>X25170<br>X25329<br>X25644<br>X25138<br>X25F008<br>X2816C<br><br>X28C16B<br><br>X28HC256<br><br>XM28C040 | <br>X25041<br>X25163<br>X25320<br>X25330<br>X25645<br><br>X25F016<br>X2864A<br><br>X28C16C                         | <br>X25043<br>X25164<br>X25323<br>X25383<br>X25646<br><br>X25F032<br>X2864B<br><br>X28C64             | <br>X25045<br>X25165<br>X25324<br>X25384<br>X25648<br><br>X25F064<br>X2864H<br><br>X28C256 | <br>X25057<br>X25166<br>X25325<br>X25640<br>X25649<br><br>X25F128<br>X28256<br><br>X28C512 |