

Universal Programmer TOP3100



Features:

- Support 2.5~6.5V device;
- Using USB for power source or connect with 5V external power source (included in package)
- Transmission speed 12MHz/s via USB.
- Compatible with Notebook or Desktop computer
- With current protection function, effectively protects the programmer and devices.
- Device's connection inspection, inspect every pins' connection of the device;
- 40 pins self-lock sockets;
- Working with WINDOWS7/ Vista /2000/ 2003/ XP;
- Plastic cabinet, small size and weight light;
- The programming speed will not affect computer CPU calculation speed
- Self-detecting the device's manufacturer's name and parts number.

Programmer time example:

29F320 Write+ verify @ 104 Seconds

29LF320 Write + verify @112 Seconds

P89C58 Write + verify @ 5Seconds

TOP 3100 Device List

____**EPROM-:** 2716-12.7V,P27, 2716-21V,P27, 2716-25V,P27, 2732-12.7V,P27, 2732-21V,P27, 2732-25V,P27, 2764-12.7V,P27, 27C64-12.7V,P27, 2764-21V,P27, 2764-25V,P27, 27128-12.7V,P27, 27C128-12.7V,P27, 27128-21V, 27C128-21V, 27256-12.7V,P27, 27C256-12.7V,P27, 27512-12.7V,P27, 27C512-12.7V,P27, 27513-12.7V,P27, 27C513-12.7V,P27, 27C010-12.7V,P27, 27C020-12.7V,P27, 27C040-12.7V,P27, 27C080-12.7V,P27, 27C801-12.7V, 27C210, 27C220, 27C240, 27C1024, 27C2048, 27C4096, 27C1100,I27CX, 27C2100,I27CX, 27C4100,I27CX, 27C8100,I27CX, 27C160, 27V160, M27C4002, M27W402,

____**EPROM-AMD:** Am2716-12.7V,P27, Am2716-21V, Am2716-25V, Am2732-12.7V,P27, Am2732-21V, Am2732-25V, Am2764-21V, Am2764A-12.5V,P27, Am27C64-12.5V,P27, Am2128-21V, Am27128A-12.5V, Am27C128-12.7V,P27, Am27256HV-21V, Am27C256-12.75V, Am27C256P-12.75V, Am27H256-12.75V, Am27512-12.75V, Am27512/L-12.75V, Am27C010-12.75V, Am27H010-12.75V, Am27HB010-12.75V, Am27C020-12.75V, Am27C040-12.75V, Am27C080-12.7V, Am27C1024, Am27C2048, Am27C4096,

____**EPROM-ATMEL:** AT2716-12.7V,P27, AT2716-21V, AT2716-25V, AT2732-12.7V,P27, AT2732-21V, AT2732-25V, AT27HC64-12.7V, AT27HC64L-12.7V, AT27C128-12.7V, AT27C256-12.7V, AT27HC256-12.7V, AT27HC256-12.7V, AT27C512-12.7V, AT27C512R-12.7V, AT27C513-12.7V, AT27C513R-12.7V, AT27C010/L-12.7V, AT27C011-12.7V, AT27C040-12.7V, AT27C080-12.7V, AT27C1024, AT27C2048, AT27C4096,

____**EPROM-CATALYST:** CAT2764A-12.7V, CAT27128A-12.7V, CAT27C128-12.7V,P27, CAT27C256-12.7V, CAT27512-12.7V, CAT27C010-12.7V, CAT27C210, CAT27C220, CAT27C240,

____**EPROM-FUJITSU:** MBM2716-12.7V,P27, MBM2716-21V, MBM2716-25V, MBM2732-12.7V,P27, MBM2732-21V, MBM2732-25V, MBM2764-21V, MBM27C64-21V, MBM27128-21V, MBM27C128-21V, MBM27C128-21V, MBM27256-12.7V, MBM27C256A-12.7V, MBM27C512-12.7V, MBM27C1000-12.7V, MBM27C1001-12.7V, MBM27C4001-12.7V, MBM27C080-12.7V,

____**EPROM-GENERAL:** 2716-12.7V,P27, 2716-21V, 2716-25V, 2732-12.7V,P27, 2732-21V, 2732-25V, 2764-21V, 27C64-21V, 2764A-12.7V, 27C6A-12.7V, 27128-21V, 27128A-12.7V, 27C128-12.7V,P27, 27256, 27C256, 27256HV-21V, 27512, 27C512, 27512HV-21V, 27513,P27, 27C513,P27,27010, 27C010,P27, 27011, 27C011,P27, 27101,P27, 27C101,P27, 27C020,P27, 27C040,P27, 27C080,P27,

____**EPROM-ST:** 27128, 27C128, 27256, 27C256, 27512, 27C512, 27C1000, 27C1001, 27C405, 27C4001, 27C801, M27C4002, M27W402, M27C800, M27C160, M27V160, M27C322, M27V322, M27V320*44PS,

____**EPROM-HITACHI:** HN27C64-21V, HN27128AG-12.7V, HN27128P-21V, HN27C256,P27, HN27C512,P27, HN27C101,P27, HN27C301,P27, HN27C210, HN27C220, HN27C240,

____**EPROM-HYUNDAI:** 27C64-12.7V, 27C128-12.7V, 27C256-12.7V, 27C512,P27, 27C010,P27, 27C020,P27,

____**EPROM-ICT:** 27CX256,P27, 27CX128,P27, 27CX256,P27, 27CX512,P27, 27CX010,P27, 27CX020,P27,

____**EPROM-INTEL:** i2716-12.7V,P27, i2716-21V, i2716-25V, i2732-12.7V,P27, i2732-21V, i2732-25V, i2764-21V, i27C64-12.7V, i2764A-12.7V, i87C64-12.7V, i27128-21V, i27A128-12.7V, i27C128-12.7V, i27C256-12.7V, i87C256-12.7V, i27C512,P27, i27C010,P27, i27010,P27, i27010A,P27, i27020,P27, i27C040,P27, i27C080,P27, 27C210, 27C220, 27C240,

____**EPROM-MATSUSHITA:** 27C256,P27, 27C128,P27, 27C256,P27, 27C512,P27, 27C010,P27, 27C020,P27,

____**EPROM-MICROCHIP:** 27C64A, 27LV64, 27C128, 27C256,P27, 27HC256,P27, 27LV256,P27, 27C512A,P27, 27LV512,P27, 27513,P27, 27C513,P27, 27C010A,P27, 27C020A,P27,

____**EPROM-MITSUBISHI:** M5L2764-21V,P27, M5L27C128-12.7V, M5M27128/K-21V, M5M27K-12.7V, M5MC256-12.7V, M5M27C512,P27, M5M27K512,P27, M5M27C100,P27, M5M27C101,P27, M5M27C102,P27, M5M27C201,P27, M5M27C401,P27,

____**EPROM-MXIC:** MX2716-12.7V,P27, MX2716-21V, MX2716-25V, MX2732-12.7V,P27, MX2732-21V, MX2732-25V, MX27C256-12.7V, MX27C512-12.7V, MX27C1024, MX27C2048, MX27C4096, MX27C1100,I27CX, MX27C2100,I27CX, MX27C4100,I27CX, MX27C8100,I27CX, MX27V160,

____**EPROM-NEC:** D2716-12.7V,P27, D2716-21V, D2716-25V, D2732-12.7V,P27, D2732-21V, D2732-25V, D2764-21V, D27C64-12.7V, D27128-21V, D27C256-21V, D27C256A-12.7V, D27C512,P27, D27C1000,P27, D27C1000A,P27, D27C1001,P27, D27C1001A,P27, D27C2001,P27, D27C4001,P27, D27C1024, D27C2048, D27C4096,

____**EPROM-NS:** NM2716-12.7V,P27, NM2716-21V,P27, NM2716-25V, NM2732-12.7V,P27, NM2732-21V, NM2732-25V, NM27LC64-12.7V, NM27C256-12.7V, NM27LC256-12.7V, NMC87C257-12.7V, NM27LC512,P27, NM27LV512,P27, NM27P512,P27, NMC27C64,P27, NM27C128/B-12.7V, NMC27C128/B-12.7V, NMC27CP128-12.7V, NMC27C256-12.7V, NMC27C256B-12.7V, NM27C512,P27, NM27C256A,P27, NMC27C512A,P27, NMC27C010,P27, NMC27C020,P27, NM27C1024, NM27C2048, NM27C4096, NM27C210, NM27C220, NM27C240,

____**EPROM-OKI:** MSM2716-12.7V,P27, MSM2716-21V, MSM2716-25V, MSM2732-12.7V,P27, MSM2732-21V, MSM2732-25V, MSM2764A-12.7V, MSM2764AS-21V, MSM27128A-12.7V, MSM27128AS-21V, MSM27256AS-12.7V, MSM27512AS,P27, MSM271000,P27, MSM27C1024, MSM27C2048, MSM27C4096,

____**EPROM-RICOH:** 27C64-21V, 27C256-12.7V,

____**EPROM-SAMSUNG:** KM23C4100,P27,

____**EPROM-SEEQ:** DQ2764-21V,P27, DQ27128-21V, DQ27C256-12.7V,

____**EPROM-SGS_THOMSON:** M27128A-12.7V, M27256,P27, M27CC512,P27, M27C1000,P27, M27C1001,P27, M27C2001,P27, M27C4001,P27, M27C4002,

____**EPROM-SIGNETICS:** 27C64A,P27, 27C128,P27, 27C512,P27,

____**EPROM-SMOS:** 27C64H,P27, 27128H,P27, 27C256H,P27,

____**EPROM-SONY:** CXK27C256,P27, CXK27C512,P27,

____**EPROM-TI:** TMS2564-25V,P27, TMS2764-21V,P27, TMS27C64-12.7V, TMS27PC64-12.7V, TMS27128-21V, TMS27C128-12.7V, TMS27CP128-12.7V, TMS27C256,P27, TMS27PC256,P27, TMS87257,P27, TMS27C512,P27, TMS27CP512,P27, TMS27C010,P27, TMS27PC010,P27, TMS27C020,P27, TMS27PC020,P27, TMS27C040,P27, TMS27PC040,P27, TMS27C210, TMS27C220, TMS27C240,

____**EPROM-TOSHIBA:** TMM2716-25V, TMM2732-21V, TMM2764-21V, TMM2764A-12.7V, TMM27128-21V, TMM27128A,P27, TMM27256A,P27, TMM27256AD,P27, TMM27512,P27, TC541000,P27, TC541001,P27, TC571000,P27, TC571001,P27, TC532000,P27, TC572000,P27, TC534000,P27, TC574000,P27, TC27C210, TC27C220, TC27C240,

____**EPROM-VLSI:** VT2716-25V,P27, VT2732-21V,P27, VT27C64,P27, VT27C128,P27, VT27C256,P27, VT27C512,P27,

___EPROM-WSI: WS2716-25V, WS2732-21V, WS27C512F,P27, WS27C64F,P27, WS57C64F,P27, WS27C128F,P27, WS57C128F,P27, WS57C128FB,P27, WS27C256F,P27, WS27C256L,P27, WS57C256F,P27, WS57C256FB,P27, WS27C512L,P27, WS27C010F,P27, WS27C010L,P27, WS57C65,P27, WS57C257,P27, WS57C51C,P57C71, WS57C71C,P57C71,

___EEPROM-AMD: AM29C257, AM28F256, AM28F512, AM28F010/A, AM28F020/A, AM29F256, AM29F512, AM29F010, AM29F010B, AM29F020, AM29F020B, AM29F040, AM29F040B, AM29LV010B, AM29LV020B, AM29LV040B, AM29F004B, AM29F004BB, AM29F004T, AM29F004BT, AM29F080T*44PS, AM29F080T*40TSOP, AM29F080T*48TSOP, AM29F080B*48TSOP, AM29F001B, AM29F001BB, AM29F001T, AM29F001BT, AM29F002B, AM29F002BB, AM29F002T, AM29F002BT, AM29F002NB, AM29F002NT, AM29LV001B, AM29LV001T, AM29LV001BB, AM29LV001BT, AM29LV002B, AM29LV002BB, AM29LV002T, AM29LV002BT, AM29F200B*48TSOP, AM29F200BB*48TSOP, AM29F200B*44PS, AM29F200BB*44PS, AM29F200T*48TSOP, AM29F200BT*48TSOP, AM29F200T*44PS, AM29F200BT*44PS, AM29F200AB*48TSOP, AM29F200AB*44PS, AM29F200AT*48TSOP, AM29F200AT*44PS, AM29F400B*48TSOP, AM29F400BB*48TSOP, AM29F400B*44PS, AM29F400BB*44PS, AM29F400T*48TSOP, AM29F400BT*48TSOP, AM29F400B/BB*44PS, AM29F400B*44PS, AM29F800BB*48TSOP, AM29F800B*44PS, AM29F800BB*44PS, AM29F800T/BT*48TSOP, AM29F800T*48TSOP, AM29F800BT*44PS, AM29F160DB*48TSOP, AM29F160DT*48TSOP, AM29F016*48TSOP, AM29LV200BB*48TSOP, AM29LV200B*44PS, AM29LV200BT*48TSOP, AM29LV200BT*44PS, AM29LV200AT*48TSOP, AM29LV200AT*44PS, AM29LV400B*48TSOP, AM29LV400B@48BGA, AM29LV400B*44PS, AM29LV400BB*48TSOP, AM29LV400BB@48BGA, AM29LV400BB*44PS, AM29LV400T*48TSOP, AM29LV400T@48BGA, AM29LV400T*44PS, AM29LV400BT*48TSOP, AM29LV400BT@48BGA, AM29LV400BT*44PS, AM29LV800B*48TSOP, AM29LV800B@48BGA, AM29LV800B@48FBGA, AM29LV800B*44PS, AM29LV800BB*48TSOP, AM29LV800BB@48BGA, AM29LV800BB@48FBGA, AM29LV800BB*44PS, AM29LV800T*48TSOP, AM29LV800T@48BGA, AM29LV800T@48FBGA, AM29LV800T*44PS, AM29LV800BT*48TSOP, AM29LV800BT@48BGA, AM29LV800BT@48FBGA, AM29LV800BT*44PS, AM29LV160B*48TSOP, AM29LV160B@48BGA, AM29LV160B@48FBGA, AM29LV160B*44PS, AM29LV160BB*48TSOP, AM29LV160BB@48BGA, AM29LV160BB@48FBGA, AM29LV160BB*44PS, AM29LV160T*48TSOP, AM29LV160T@48BGA, AM29LV160T@48FBGA, AM29LV160T*44PS, AM29LV160BT*48TSOP, AM29LV160BT@48BGA, AM29LV160BT@48FBGA, AM29LV160BT*44PS, AM29LV160DB*48TSOP, AM29LV160DB@48BGA, AM29LV160DT@48FBGA, AM29LV160DT*44PS, AM29LV320DB*48TSOP, AM29LV320DB@48FBGA, AM29LV320DT*48TSOP, AM29LV320DT@48FBGA, AM29LV320FB*48TSOP, AM29LV320FT*48TSOP, AM29DL161T*48TSOP, AM29DL161B*48TSOP, AM29DL162T*48TSOP, AM29DL162B*48TSOP, AM29DL163T*48TSOP, AM29DL163B*48TSOP, AM29DL164T*48TSOP, AM29DL164B*48TSOP, AM29DL322CT*48TSOP, AM29DL322CB*48TSOP, AM29DL322DT*48TSOP, AM29DL322DB*48TSOP, AM29DL322GT*48TSOP, AM29DL322GB*48TSOP, AM29DL323T*48TSOP, AM29DL323D*48TSOP, AM29DL324T*48TSOP, AM29DL324D*48TSOP, AM29DL640D*48TSOP, AM29DL640G*48TSOP, AM29LV004T*40TSOP, AM29LV004B*40TSOP, AM29LV008T*40TSOP, AM29LV008B*40TSOP, AM29LV016T*40TSOP, AM29LV016B*40TSOP, AM29LV017D*40TSOP, AM29LV017B*40TSOP, AM29LV004T*40TSOP, AM29LV004B*40TSOP, AM29LV008T*40TSOP, AM29LV008B*40TSOP, AM29LV016T*40TSOP, AM29LV016B*40TSOP, AM29LV017D*40TSOP, AM29LV017B*40TSOP, AM29LV004T*48TSOP, AM29LV004B*48TSOP, AM29LV008T*48TSOP, AM29LV008B*48TSOP, AM29LV016T*48TSOP, AM29LV016B*48TSOP, AM29LV017D*48TSOP, AM29LV017B*48TSOP,

___EEPROM-ASD: AE29F1008, AE29F2008, AE29F4008, AE49F1008, AE49F2008,

___EEPROM-AMIC: A29512, A29010, A29020, A29040, A29L010, A29L020, A29L040, A29001, A290011, A29002, A290021, A49LF020, A49LF040, A29400*48TSOP, A29400*44PS, A29800*48TSOP, A29800B*44PS, A29160*48TSOP, A29160*48TSOP, A29L400*48TSOP, A29L400@48BGA, A29L800*48TSOP, A29L800@48BGA, A29L160*48TSOP, A29L160B@48BGA,

___EEPROM-MACRONIX: MX28F1000, MX28F2000, MX29F010, MX29F020, MX29F040, MX29F001T/B, MX29F002T/B, MX29F004T/B, MX29F100B*48TSOP, MX29F100T*48TSOP, MX29F200B*48TSOP, MX29F200T*48TSOP, MX29F400B*48TSOP, MX29F400T*48TSOP, MX29F800B*48TSOP, MX29F800T*48TSOP, MX29F100B*44PS, MX29F100T*44PS, MX29F200B*44PS, MX29F200T*44PS, MX29F400B*44PS, MX29F400T*44PS, MX29F800B*44PS, MX29F800T*44PS, MX29LV800B*48TSOP, MX29LV800B*48TSOP, MX29LV800T*48TSOP, MX29LV800T*48TSOP, MX29LV160B*48TSOP, MX29LV160B*48TSOP, MX29LV160T*48TSOP, MX29LV160T*48TSOP, MX29LV320B*48TSOP, MX29LV320B*48TSOP, MX29LV320T*48TSOP, MX29LV320T*48TSOP, MX29LV640B*48TSOP, MX29LV800B*44PS, MX29LV800T*44PS, MX29LV800B*44PS, MX29LV800T*44PS, MX29LV160B*44PS, MX29LV160T*44PS, MX29LV160B*44PS, MX29LV160T*44PS, MX29LV320B*44PS, MX29LV320T*44PS, MX29L320B*44PS, MX29L320T*44PS,

___EEPROM-ATMEL: AT2816, AT2816A, AT28C16, AT2817A, AT28C17, AT2864A, AT28C64, AT28HC64, AT28C64X, AT28C64L, AT28PC64, AT28C64B, AT28HC64B, AT28LV64B, AT28C256, AT28C257, AT28C64, AT28HC64, AT28C64X, AT28C64L, AT28PC64, AT28C64B, AT28HC64B, AT28LV64B, AT28C256, AT28C257, AT28C512, AT28C010, AT28C020, AT28C040, AT28C040A, AT28F256, AT28F257, AT28F512, AT28F010, AT28F020, AT29C257, AT29C256, AT29C256, AT29C257, AT29C512, AT29C010, AT29C010A, AT29C020, AT29C040, AT29C040A, AT29LV512, AT29LV010, AT29LV010A, AT29LV020, AT29LV020A, AT29LV040, AT29LV040A, AT49F010, AT49F020, AT49F040, AT49F001, AT49F001N, AT49F001T, AT49F001NT, AT49F002, AT49F002N, AT49F002T, AT49F002NT, AT49F002A, AT49F002AN, AT49F002AT, AT49F002ANT, AT49BV020, AT49BV040, AT49LV040*32PLCC, AT49LV080*32PLCC, AT49LV020*32PLCC, AT49LV001*32PLCC, AT49LV004*32PLCC, AT49LV080*32PLCC, AT49F010, AT49F020, AT49F040, AT49LV010, AT49LV020, AT49LV040, AT49LV001, AT49LV002, AT49LV004, AT49LV080*32PLCC, AT49LV080*32PLCC, AT49LL020*32PLCC, AT49LL040*32PLCC, AT49LL080*32PLCC, AT49F2048A*48TSOP, AT49F2048AT*48TSOP, AT49F4096A*48TSOP, AT49F4096AT*48TSOP, AT49F8192A*48TSOP, AT49F8192AT*48TSOP, AT49BV2048A*48TSOP, AT49BV2048AT*48TSOP, P29F640, AT49LV2048A*48TSOP, AT49LV2048AT*48TSOP, P29F640, AT49BV4096A*48TSOP, AT49BV4096AT*48TSOP, P29F640, AT49LV4096A*48TSOP, AT49LV4096AT*48TSOP, P29F640, AT49BV8192A*48TSOP, AT49BV8192AT*48TSOP, P29F640, AT49LV8192A*48TSOP, AT49LV8192AT*48TSOP, P29F640, AT49BV8011*48TSOP, P29F640, AT49LV8011*48TSOP, P29F640, AT49BV160*48TSOP, AT49BV160T*48TSOP, AT49BV161*48TSOP, AT49BV161T*48TSOP, AT49LV160*48TSOP, AT49LV160T*48TSOP, AT49LV161*48TSOP, AT49LV161T*48TSOP, AT49BV320*48TSOP, AT49BV320T*48TSOP, P29F640, AT49BV321*48TSOP, AT49BV321T*48TSOP, P29F640, AT49LV320*48TSOP, AT49LV320T*48TSOP, P29F640, AT49LV321*48TSOP, AT49LV321T*48TSOP, P29F640, AT49BV1604A*48TSOP, AT49BV1614A*48TSOP, AT49LV1604A*48TSOP, AT49LV1614A*48TSOP, AT49BV1604AT*48TSOP, P29F640, AT49BV1614AT*48TSOP, P29F640, AT49F001*32TSOP, P29F640, AT49F001N*32TSOP, P29F640, AT49F001T*32TSOP, P29F640, AT49F002*32TSOP, P29F640, AT49F002N*32TSOP, P29F640, AT49F002T*32TSOP, P29F640, AT49F010*40TSOP, P29F640, AT49F020*40TSOP, P29F640, AT49F040*40TSOP, P29F640, AT49BV010*40TSOP, P29F640, AT49BV020*40TSOP, P29F640, AT49BV040*40TSOP, P29F640, AT49LV010*40TSOP, P29F640, AT49LV020*40TSOP, P29F640, AT49LV040*40TSOP, P29F640,

____**EEPROM-ACTTRANS:** AC39LV512, AC39LV010, AC39LV020, AC39LV040, AC39LV080*40TSOP, AC39LV088*48TSOP, AC39LV800*48TSOP, AC39LV160*48TSOP,

____**EEPROM-WINBOND:** W27E257, W27E512, W27E010, W27E020, W27E040, W27C257, W27C512, W27C010, W27C020, W27C040, W27F257, W27F512, W27F010, W27F020, W27F040, W28F256, W28F257, W28F512, W28F010, W28F020, W29EE010, W29EE011, W29EE012, W29C010, W29C020, W29C040, W49F010, W49F020, W49F040, W49L010, W49L020, W49L040, W49F001, W49F001N, W49F001T, W49F001NT, W49F002, W49F002N, W49F002T, W49F002NT, W49F002U, W49L001, W49L002, W49V002, W49V004, W39V040A, W39V040FA, W39V040FB, W39V040B, W39V040C, W39V040FC, W39V080F, W39V080FA, W39V080FB, W39L512, W39L010, W39L020, W39L040,

____**EEPROM-PMC:** PM37VF512, PM37VF010, PM37VF020, PM29F002, PM29F004, PM29LV002, PM29LV004, PM39LV512, PM39LV010, PM39LV020, PM39LV040, PM49FL002, PM49FL004,

____**EEPROM-CATALYST:** CAT2816, CAT2816A, CAT28C16, CAT2817A, CAT28C17, CAT2864A, CAT28C64, CAT28HC64, CAT28C256, CAT28F512/I, CAT28F512V5/I, CAT28F010/I, CAT28F010V5/I, CAT28F020/I,

____**EEPROM-DALLAS:** DS1220Y, DS1220AB, DS1220AD, DS1225AB, DS1225AD, DS1225D, DS1225DE, DS1225Y, DS1230Y, DS1230AB, DS1245Y, DS12449, DS1250Y,

____**EEPROM-EON:** EN29F040, EN29F040A, EN29F004B, EN29F004T, EN29F001B, EN29F001T, EN29F002B, EN29F002NB, EN29F002T, EN29F002NT, EN29F800B*48TSOP, EN29F800T*48TSOP, EN29LV400JB*48TSOP, EN29LV400JT*48TSOP, EN29LV800JB*48TSOP, EN29LV800JT*48TSOP, EN29LV160JB*48TSOP, EN29LV160JT*48TSOP,

____**EEPROM-EXEL:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28C256,

____**EEPROM-FUJITSU:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28F256, 28F512, 28F010/A, 28F020/A, 29F010, 29F010A, 29F010B, 29F020, 29F020A, 29F020B, 29F040, 29F040A, 29F040B, MBM29F004B, MBM29F004T, MBM29F001B, MBM29F001T, MBM29F002B, MBM29F002T, MBM29F200B*48TSOP, MBM29F200BA*48TSOP, MBM29F200T*48TSOP, MBM29F200TA*48TSOP, MBM29F400B*48TSOP, MBM29F400T*48TSOP, MBM29F800B*48TSOP, MBM29F800T*48TSOP, MBM29F160B*48TSOP, MBM29F160T*48TSOP, MBM29LV200B*48TSOP, MBM29LV200T*48TSOP, MBM29LV400B*48TSOP, MBM29LV400T*48TSOP, MBM29LV800B*48TSOP, MBM29LV800T*48TSOP, MBM29LV160B*48TSOP, MBM29LV160T*48TSOP, MBM29LV400B@48BGA, MBM29LV400T@48BGA, MBM29LV800B@48BGA, MBM29LV800T@48BGA, MBM29LV160B@48BGA, MBM29LV160T@48BGA, MBM29F004T*40TSOP, MBM29F008T*40TSOP, MBM29LV004T*40TSOP, MBM29LV004B*40TSOP, MBM29LV008T*40TSOP, MBM29LV008B*40TSOP, MBM29LV016T*40TSOP, MBM29LV016B*40TSOP, MBM29F200B*44PS, MBM29F200T*44PS, MBM29F400B*44PS, MBM29F400T*44PS, MBM29F800B*44PS, MBM29F800T*44PS, MBM29LV200B*44PS, MBM29LV200T*44PS, MBM29LV400B*44PS, MBM29LV400T*44PS, MBM29LV800B*44PS, MBM29LV800T*44PS, MBM29F080T*44PS, MBM29F080T*40TSOP, MBM29F080T*48TSOP, MBM29F080B*48TSOP, MBM29F016*48TSOP, MBM29F016A*48TSOP, MBM29F016B*48TSOP, MBM29F017*48TSOP, MBM29F017A*48TSOP, MBM29LV004T*40TSOP, MBM29LV004B*40TSOP, MBM29LV008T*40TSOP, MBM29LV008B*40TSOP, MBM29LV016T*40TSOP, MBM29LV016B*40TSOP, MBM29LV017T*40TSOP, MBM29LV017B*40TSOP, MBM29LV016T*48TSOP, MBM29LV016B*48TSOP, MBM29LV017T*48TSOP, MBM29LV017B*48TSOP,

____**EEPROM-SPANSION:** S29AL016*48TSOP, S29AL016@48BGA, S29AL032*48TSOP, S29AL032@48BGA, S29AL064*48TSOP, S29AL064@48BGA, S29GL016*48TSOP, S29GL016@48BGA, S29GL032*48TSOP, S29GL032@48BGA, S29GL064(03/04)*48TSOP, P29F640, S29GL064(06/07/V6/V7)*48TSOP, P29F640, S29GL064@48BGA, P29F640,

____**EEPROM-HITACHI:** HN58C65, HN58C66, HN58C256, HN58C256A, HN29V25611,

____**EEPROM-HYNIX:** HY29F040B, HY29F004B, HY29F004BB, HY29F004T, HY29F004BT, HY29F001B, HY29F001BB, HY29F001T, HY29F001BT, HY29F002B, HY29F002BB, HY29F002T, HY29F002BT, HY29F002NB, HY29F002NT, HY29LV001B, HY29LV001T, HY29LV001BB, HY29LV001BT, HY29LV002B, HY29LV002BB, HY29LV002T, HY29LV002BT, HY29F200B*48TSOP, HY29F200BB*48TSOP, HY29F200B*44PS, HY29F200BB*44PS, HY29F200T*48TSOP, HY29F200BT*48TSOP, HY29F200T*44PS, HY29F200BT*44PS, HY29F200AB*48TSOP, HY29F200AB*44PS, HY29F200AT*48TSOP, HY29F200AT*44PS, HY29F400B*48TSOP, HY29F400BB*48TSOP, HY29F400B*44PS, HY29F400BB*44PS, HY29F400T*48TSOP, HY29F400T*44PS, HY29F400BT*48TSOP, HY29F400BT*44PS, HY29F400B@48BGA, HY29F400B*44PS, HY29F400BB@48BGA, HY29F400BB*44PS, HY29F800T*48TSOP, HY29F800T*44PS, HY29F800BT*48TSOP, HY29F800BT*44PS, HY29F160DB*48TSOP, HY29F160DT*48TSOP, HY29F016*48TSOP, HY29LV200BB*48TSOP, HY29LV200B*44PS, HY29LV200BT*48TSOP, HY29LV200BT*44PS, HY29LV200AT*48TSOP, HY29LV200AT*44PS, HY29LV400B*48TSOP, HY29LV400B@48BGA, HY29LV400B*44PS, HY29LV400BB*48TSOP, HY29LV400BB@48BGA, HY29LV400BB*44PS, HY29LV400T*48TSOP, HY29LV400T@48BGA, HY29LV400T*44PS, HY29LV400BT*48TSOP, HY29LV400BT@48BGA, HY29LV400BT*44PS, HY29LV800B*48TSOP, HY29LV800B@48BGA, HY29LV800B@48FBGA, HY29LV800B*44PS, HY29LV800BB*48TSOP, HY29LV800BB@48BGA, HY29LV800BB@48FBGA, HY29LV800BB*44PS, HY29LV800T*48TSOP, HY29LV800T@48BGA, HY29LV800T@48FBGA, HY29LV800T*44PS, HY29LV800BT*48TSOP, HY29LV800BT@48BGA, HY29LV800BT@48FBGA, HY29LV800BT*44PS, HY29LV160B*48TSOP, HY29LV160B@48BGA, HY29LV160B@48FBGA, HY29LV160BB*48TSOP, HY29LV160BB@48BGA, HY29LV160BB@48FBGA, HY29LV160T*48TSOP, HY29LV160T@48BGA, HY29LV160T@48FBGA, HY29LV160T*44PS, HY29LV160BT*48TSOP, HY29LV160BT@48BGA, HY29LV160BT@48FBGA, HY29LV160BT*44PS, HY29LV160DB*48TSOP, HY29LV160DB@48BGA, HY29LV160DT*48TSOP, HY29LV160DT*44PS, HY29LV320DB*48TSOP, HY29LV320DB@48BGA, HY29LV320DT*48TSOP, HY29LV320DT@48BGA, HY29LV320DT@48FBGA, HY29LV320FB*48TSOP, HY29LV320FT*48TSOP,

____**EEPROM-INTEL:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28F256A, 28F256, 28F512, 28F010, 28F020, 28F040, 28F001BX-T, 28F001BX-B, N82802AA*32PLCC, N82802AB*32PLCC, N82802AC*32PLCC, TE28F400B3B*48TSOP, TE28F400B3T*48TSOP, TE28F800B3B*48TSOP, GT28F800B3B@48BGA, TE28F800B3T*48TSOP, GT28F800B3T@48BGA, TE28F160B3B*48TSOP, GT28F160B3B@48BGA, GE28F160B3B@48VFBGA, TE28F160B3T*48TSOP, GT28F160B3T@48BGA, GE28F160B3T@48VFBGA, TE28F320B3B*48TSOP, GT28F320B3B@48BGA, GE28F320B3B@48VFBGA, TE28F320B3T*48TSOP, GT28F320B3T@48BGA, GE28F320B3T@48VFBGA, TE28F640B3B*48TSOP, GT28F640B3T*48TSOP, GE28F640B3T@48VFBGA, TE28F400B3B*48TSOP, GT28F400B3B@48BGA, GE28F400B3B@48VFBGA, TE28F800B3-B*48TSOP, GT28F800B3-B*48TSOP, GE28F800B3-B*48TSOP, GT28F800B3-T*48TSOP, GE28F800B3-T*48TSOP, GT28F800B3-T@48BGA, TE28F160B3-B*48TSOP, GT28F160B3-B@48BGA, GE28F160B3-B*48TSOP, GT28F160B3-T*48TSOP, GE28F160B3-T@48BGA, TE28F320B3-B*48TSOP, GT28F320B3-B@48BGA, GE28F320B3-B*48TSOP, GT28F320B3-T*48TSOP, GE28F320B3-T@48BGA, TE28F640B3-B*48TSOP, GT28F640B3-B@48BGA, GE28F640B3-B*48TSOP, GT28F640B3-T*48TSOP, GE28F640B3-T@48BGA, TE28F800C3T*48TSOP, GT28F800C3T@48BGA, GE28F800C3T@48VFBGA, TE28F800C3B*48TSOP, GT28F800C3B@48BGA, TE28F160C3T*48TSOP, GT28F160C3T@48BGA, GE28F160C3T@48VFBGA, TE28F160C3B*48TSOP, GT28F160C3B@48BGA, GE28F160C3B@48VFBGA, TE28F320C3T*48TSOP, GT28F320C3T@48BGA, GE28F320C3T@48VFBGA, TE28F320C3B*48TSOP, GT28F320C3B@48BGA,

GT28F320C3B@48BGA, GE28F320C3B@48VFBGA, TE28F640C3T*48TSOP, GT28F640C3T@48BGA, GE28F640C3T@48VFBGA, TE28F640C3B*48TSOP, GT28F640C3B@48BGA, GE28F640C3B@48VFBGA, TE28F200B5T*48TSOP, TE28F200B5B*48TSOP, TE28F400B5T*48TSOP, TE28F400B5B*48TSOP, TE28F800B5T*48TSOP, TE28F800B5B*48TSOP, TE28F002BCT*40TSOP, TE28F002BCT*44P, TE28F002BVT*40TSOP, TE28F002BVT*44P, TE28F002B5T*40TSOP, TE28F002B5B*40TSOP, TE28F004B5T*40TSOP, TE28F004B5B*40TSOP, TE28F008B5T*40TSOP, TE28F008B5B*40TSOP, TE28F004B3T*48TSOP, TE28F004B3B*48TSOP, TE28F008B3T*48TSOP, GT28F008B3T@48BGA, TE28F008B3B*48TSOP, GT28F008B3B@48BGA, TE28F008B3TA*48TSOP, TE28F008B3BA*48TSOP, TE28F016B3T*48TSOP, GT28F016B3T@48BGA, TE28F016B3B*48TSOP, GT28F016B3B@48BGA, TE28F004B3-T*48TSOP, TE28F004B3-B*48TSOP, TE28F008B3-T*48TSOP, GT28F008B3-T@48BGA, TE28F008B3-B*48TSOP, GT28F008B3-B@48BGA, TE28F008B3-TA*48TSOP, TE28F008B3-BA*48TSOP, TE28F016B3-T*48TSOP, GT28F016B3-T@48BGA, TE28F016B3-B*48TSOP, GT28F016B3-B@48BGA, GE28F001BXT*DIP32,

____ **EEPROM-ISSI:** IS28F010, IS28F020,

____ **EEPROM-MICROCHIP:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64,

____ **EEPROM-MITSUBISHI:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, M5M28F101P, M5M28C64A,

____ **EEPROM-NEC:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28C256,

____ **EEPROM-OKI:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64,

____ **EEPROM-SAMSUNG:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64,

____ **EEPROM-SEEQ:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28C256/A, 28C010,

____ **EEPROM-SGS-THOMSON:** GS28F256, M28F256A, M28F512, M28F101, M28F1001, M28F201,

____ **EEPROM-ST:** M50FW002*32PLCC, M50FW040*32PLCC, M50FW080*32PLCC, M29F001B, M29F001T, M29F002B, M29F002T, M29W001B, M29W001T, M29W002B, M29W002T, M29F200B*48TSOP, M29F200B*44PS, M29F200T*48TSOP, M29F200T*44PS, M29F400B*48TSOP, M29F400B*44PS, M29F400T*48TSOP, M29F400B*44PS, M29F800B*44PS, M29F800T*48TSOP, M29W200BB*48TSOP, M29W200B*44PS, M29W200BT*48TSOP, M29W200BT*44PS, M29W200AT*48TSOP, M29W200AT*44PS, M29W400B*48TSOP, M29W400B@48BGA, M29W400B*44PS, M29W400BB*48TSOP, M29W400BB@48BGA, M29W400BB*44PS, M29W400T*48TSOP, M29W400T@48BGA, M29W400T*44PS, M29W400BT*48TSOP, M29W400BT@48BGA, M29W400BT*44PS, M29W800B*48TSOP, M29W800B@48BGA, M29W800B*44PS, M29W800BT*48TSOP, M29W800BT@48BGA, M29W800BT*44PS, M29W160B*48TSOP, M29W160B@48BGA, M29W160B*44PS, M29W160BB*48TSOP, M29W160BB@48BGA, M29W160BB*44PS, M29W160T*48TSOP, M29W160T@48BGA, M29W160T*44PS, M29W160BT*48TSOP, M29W160BT@48BGA, M29W160BT*44PS, M29W160DB*48TSOP, M29W160DB@48BGA, M29W160DT*48TSOP, M29W160DT*44PS, M29W320DB*48TSOP, M29W320DB@48BGA, M29W320DT*48TSOP, M29W320DT@48BGA, M29W320FB*48TSOP, M29W320FT*48TSOP,

____ **EEPROM-SST:** SST27SF256, SST27SF512, SST27SF010, SST27SF020, SST27VF010, SST27VF020, SST37VF512, SST37VF010, SST37VF020, SST37VF040, SST2816, SST2816A, SST28C16, SST2817A, SST28C17, SST2864A, SST28C64, SST28HC64, SST28C256/A, SST28SF040A, SST28VF040A, SST29EE512, SST29EE010, SST29EE020, SST29EE040, SST29LE512, SST29LE010, SST29LE020, SST29LE040, SST29VE512, SST29VE010, SST29VE020, SST29VE040, SST29SF512, SST29SF010, SST29SF020, SST29SF040, SST29VF512, SST29VF010, SST29VF020, SST29VF040, SST39SF512, SST39SF010, SST39SF020, SST39SF040, SST39LF512, SST39LF010, SST39LF020, SST39LF040, SST39VF512, SST39VF010, SST39VF020, SST39VF040, SST39LF080*40TSOP, SST39VF080*40TSOP, SST49LF002, SST49LF002A, SST49LF003, SST49LF003A, SST49LF004, SST49LF004A, SST49LF008, SST49LF008A, SST49LF002B, SST49LF003B, SST49LF004B, SST49LF020, SST49LF020A, SST49LF030A, SST49LF040, SST49LF040b, SST49LF080A, SST39VF200*48TSOP, SST39VF400*48TSOP, SST39VF800*48TSOP, SST39VF160*48TSOP, SST39VF088*48TSOP,

____ **EEPROM-SYNCMOS:** F29C51001T, F29C51001B, F29C51002T, F29C51002B, F29C51004T, F29C51004B, S29C51001T, S29C51001B, S29C51002T, S29C51002B, S29C51004T, S29C51004B, F29C31001T, F29C31001B, F29C31002T, F29C31002B, F29C31004T, F29C31004B, S29C31001T, S29C31001B, S29C31002T, S29C31002B, S29C31004T, S29C31004B,

____ **EEPROM-TI:** TMS29F256, TMS29F258, TMS29F010, TMS29F020, TMS29F040,

____ **EEPROM-TOSHIBA:** TC58257AP, TC58257AP-LV, TC58F1001P,

____ **EEPROM-VLSI:** 2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28C256/A, 29C010,

____ **EEPROM-MOSEL:** V29C51001T, V29C51001B, V29C51002T, V29C51002B, V29C51004T, V29C51004B, F29C51001T, F29C51001B, F29C51002T, F29C51002B, F29C51004T, F29C51004B,

____ **EEPROM-XICOR:** X2816, X2816A, X2816B, X28C16, X28C16A, X28C16B, X2817A, X28C17, X2864A, X28C64, X28HC64, X28C256, X28HC256, X28TC256, X28VC256, X28C64*32PIN, X28HC64*32PIN, X28C256*32PIN, X28HC256*32PIN, X28TC256*32PIN, X28VC256*32PIN, X28C010, X28HT010, X28C020, X28HT020,

____ **EEPROM-LINKSMART:** LST28001, LST28002, LST28004, L29S800F*48TSOP, L29S800Fb*48TSOP, L29S160F*48TSOP, L29S160FB*48TSOP, L29S320F*48TSOP,

____ **EEPROM-MXIC:** MX29F1601*44PS, MX29F1602*44PS, MX29F1603*44PS, MX29F1610*44PS, MX29F1611*44PS, MX29L1610*44PS, MX29L1611*44PS, MX29F1615*DIP42,

____ **EEPROM-WAFERSCALE:** WS57C71, P57C51C, WS57C71, P57C71C,

____ **EEPROM-PTC:** PT28C010, PT28C020,

____ **MPU-AMD:** 87C51, 87C51*P44, 87C51*Q44, 87C521, 87C521*P44, 87C521*Q44, 87C541, 87C541*P44, 87C541*Q44,

____ **MPU-ATMEL:** AT80F51, AT80F51*P44, AT80F51*Q44, AT80F52, AT80F52*P44, AT80F52*Q44, AT87F51, AT87F51*P44, AT87F51*Q44, AT87F52, AT87F52*P44, AT87F52*Q44, AT87F55WD, AT87F51RC, AT87F51RC*P44, AT87F51RC*Q44, AT89C51, AT89C51*P44, AT89C51*Q44, AT89LV51, AT89LV51*P44, AT89LV51*Q44, AT89C52, AT89C52*P44, AT89C52*Q44, AT89LV52, AT89LV52*P44, AT89LV52*Q44, AT89C55, AT89C55*P44, AT89C55*Q44, AT89LV55WD, AT89LV55WD*P44, AT89LV55WD*Q44, AT89C55WD, AT89C51RC, AT89C51RC*P44, AT89C51RC*Q44, AT89C51RC*P44, AT89C51RC*Q44, AT89S51, AT89S51*P44, AT89S51*Q44, AT89LS51, AT89LS51*P44, AT89LS51*Q44, AT89S52, AT89S52*P44, AT89S52*Q44, AT89LS52, AT89LS52*P44, AT89LS52*Q44, AT89C1051, AT89LV1051, AT89C2051, AT89LV2051, AT89C4051, AT89LV4051, AT89S8252, AT89S8252*P44, AT89S8252*Q44, AT89LS8252, AT89LS8252*P44, AT89LS8252*Q44, AT89S8252, AT89S8252*P44, AT89S8252*Q44, AT89LS8252, AT89LS8252*P44, AT89LS8252*Q44, AT89S53, AT89S53*P44, AT89S53*Q44, AT89LS53, AT89LS53*P44, AT89LS53*Q44, AT89S8253, AT89S8253*P44, AT89S8253*Q44, AT89LS8253, AT89LS8253*P44, AT89LS8253*Q44, T89C51RB2, T89C51RB2*P44, T89C51RB2*Q44, T89C51RC2,

T89C51RC2*P44, T89C51RC2*Q44, T89C51RB2, T89C51RC2, T89C51RD2, AT89C51RB2, AT89C51RB2*P44, AT89C51RB2*Q44, AT89C51EB2, AT89C51EB2*P44, AT89C51EB2*Q44, AT89C51IB2, AT89C51IB2*P44, AT89C51IB2*Q44, AT89C51RC2, AT89C51RC2*P44, AT89C51RC2*Q44, AT89C51EC2, AT89C51EC2*P44, AT89C51EC2*Q44, AT89C51IC2, AT89C51IC2*P44, AT89C51IC2*Q44, AT89C51RD2, AT89C51RD2*P44, AT89C51RD2*Q44, AT89C51ED2, AT89C51ED2*P44, AT89C51ED2*Q44, AT89C51ID2, AT89C51ID2*P44, AT89C51ID2*Q44, AT89S54, AT89S54*P44, AT89S54*Q44, AT89S58, AT89S58*P44, AT89S58*Q44, AT89S64, AT89S64*P44, AT89S64*Q44, AT90S1200, AT90S2313, AT90S4414, AT90S4414*P44, AT90S4414*Q44, AT90LS4414, AT90LS4414*P44, AT90LS4414*Q44, AT90S8515, AT90S8515*P44, AT90S8515*Q44, AT90LS8515, AT90LS8515*P44, AT90LS8515*Q44, AT90S4434, AT90S4434*P44, AT90S4434*Q44, AT90S8535, AT90S8535*P44, AT90S8535*Q44, AT90LS8535, AT90LS8535*P44, AT90LS8535*Q44, AT90S4434, AT90S4434*P44, AT90S4434*Q44, AT90LS4434, AT90LS4434*P44, AT90LS4434*Q44, AT90S2333, AT90S4433, ATTINY13(Serial), ATTINY15(Serial), ATTINY11(Hi), ATTINY11(Hi2007), ATTINY12(Hi), ATTINY13(Hi), ATTINY15L(Hi), ATTINY25(Serial), ATTINY45(Serial), ATTINY45(Serial), ATTINY26, ATTINY26L, ATTINY28L, ATTINY28V, ATTINY2313(DIP20), ATTINY2313V(DIP20), ATTINY2313, ATMEGA8*28Pin, ATMEGA8L*28Pin, ATMEGA8*32Pin, ATMEGA8L*32Pin, ATMEGA16, ATMEGA16*P44, ATMEGA16*Q44, ATMEGA16L, ATMEGA16L*P44, ATMEGA16L*Q44, ATMEGA8535, ATMEGA8535*P44, ATMEGA8535*Q44, ATMEGA8535L, ATMEGA8535L*P44, ATMEGA_ALL, ATMEGA8535L*Q44, ATMEGA_ALL, ATMEGA8515, ATMEGA8515*P44, ATMEGA8515*Q44, ATMEGA8515L, ATMEGA8515L*P44, ATMEGA_ALL, ATMEGA8515L*Q44, ATMEGA_ALL, ATMEGA32, ATMEGA32*P44, ATMEGA32*Q44, ATMEGA32L, ATMEGA32L*P44, ATMEGA32L*Q44, ATMEGA48*PDIP28, ATMEGA88*PDIP28, ATMEGA88*PDIP28, ATMEGA88P*PDIP28, ATMEGA88PA*PDIP28, ATMEGA_ALL, ATMEGA168*PDIP28, ATMEGA48V*PDIP28, ATMEGA88V*PDIP28, ATMEGA168V*PDIP28, ATMEGA_ALL, ATMEGA48*32PIN, ATMEGA88*32PIN, ATMEGA88P*32PIN, ATMEGA88PA*32PIN, ATMEGA_ALL, ATMEGA168*32PIN, ATMEGA48V*32PIN, ATMEGA88V*32PIN, ATMEGA168V*32PIN, ATMEGA_ALL, ATMEGA164*PDIP40, ATMEGA164*P44, ATMEGA161, ATMEGA161*P44, ATMEGA161*Q44, ATMEGA161L, ATMEGA161L*P44, ATMEGA161, ATMEGA161L*Q44, ATMEGA161, ATMEGA162, ATMEGA162*P44, ATMEGA162*Q44, ATMEGA162L, ATMEGA162L*P44, ATMEGA162, ATMEGA162L*Q44, ATMEGA162, ATMEGA162V, ATMEGA162V*P44, ATMEGA162, ATMEGA162V*Q44, ATMEGA162, ATMEGA162U, ATMEGA162U*P44, ATMEGA162, ATMEGA162U*Q44, ATMEGA162, ATMEGA163, ATMEGA163*P44, ATMEGA163*Q44, ATMEGA163L, AT90S2323, AT90S2343, AT90LS2343,

___MPU-DALLAS: DS87C520, DS87C520*P44, DS87C520*Q44, DS89C420, DS89C420*P44, DS89C420*Q44, DS89C430, DS89C430*P44, DS89C430*Q44, DS89C440, DS89C440*P44, DS89C440*Q44, DS89C450, DS89C450*P44, DS89C450*Q44,

___MPU-HOLTEK: HT46R22(24SKDIP), HT46R22(24SOP), HT46R23(24SKDIP), HT46R23(24SOP), HT46R23(28SKDIP), HT46R23(28SOP), HT46R24(28SKDIP), HT46R24(28SOP), HT46R24(48SSOP), HT46R47(18DIP), HT46R47(18SOP), HT48RA0(24SOP), HT48RA0(24SSOP), HT48RA0(20SOP), HT48RA0(20SSOP), HT48R05A(18DIP), HT48R05A(18SOP), HT48R06A(18DIP), HT48R06A(18SOP), HT48R10A(24SKDIP), HT48R10A(24SOP), HT48R30A(24SKDIP), HT48R30A(24SOP), HT48R30A(28SKDIP), HT48R30A(28SOP), HT48R50A(28SKDIP), HT48R50A(28SOP), HT48R50A(48SSOP), HT48R70A(48SSOP),

___MPU-SST: SST89C54, SST89C54*P44, SST89C54*Q44, SST89C58, SST89C58*P44, SST89C58*Q44, SST89F54, SST89F54*P44, SST89F54*Q44, SST89F58, SST89F58*P44, SST89F58*Q44, SST89E554RC, SST89E554RC*P44, SST89E554RC*Q44, SST89E564RD, SST89E564RD*P44, SST89E564RD*Q44, SST89V554RC, SST89V554RC*P44, SST89V554RC*Q44, SST89V564RD, SST89V564RD*P44, SST89V564RD*Q44, SST89E52RD, SST89E52RD*P44, SST89E52RD*Q44, SST89E54RD, SST89E54RD*P44, SST89E54RD*Q44, SST89E58RD, SST89E58RD*P44, SST89E58RD*Q44, SST89E52RD2, SST89E52RD2*P44, SST89E52RD2*Q44, SST89E54RD2, SST89E54RD2*P44, SST89E54RD2*Q44, SST89E58RD2, SST89E58RD2*P44, SST89E58RD2*Q44, SST89E516RD, SST89E89C516RD*P44, SST89E89C516RD*Q44, SST89E516RD2, SST89E89C516RD2*P44, SST89E89C516RD2*Q44, SST89V52RD, SST89V52RD*P44, SST89V52RD*Q44, SST89V54RD, SST89V54RD*P44, SST89V54RD*Q44, SST89V58RD, SST89V58RD*P44, SST89V58RD*Q44, SST89V52RD2, SST89V52RD2*P44, SST89V52RD2*Q44, SST89V54RD2, SST89V54RD2*P44, SST89V54RD2*Q44, SST89V58RD2, SST89V58RD2*P44, SST89V58RD2*Q44, SST89E516RD, SST89E89C516RD*P44, SST89E89C516RD*Q44, SST89V89C516RD*P44, SST89V89C516RD*Q44, SST89V516RD2, SST89V89C516RD2*P44, SST89V89C516RD2*Q44,

___MPU-PDK: PDK10C32, STC89_09, PDK10C64(60k), STC89_09, PDK10C64(63k), STC89_09,

___MPU-STC_2009: STC89C51RC, STC89C52RC, STC89C54RD+, STC89C58RD+, STC89C510RD+, STC89C512RD+, STC89C513RD+, STC89C514RD+, STC89C516RD+, STC89LE51RD, STC89LE52RD, STC89LE54RD+, STC89LE58RD+, STC89LE510RD+, STC89LE512RD+, STC89LE513RD+, STC89LE514RD+, STC89LE516RD+, STC89C51RC*P44, STC89C52RC*P44, STC89C54RD+*P44, STC89C58RD+*P44, STC89C510RD+*P44, STC89C512RD+*P44, STC89C513RD+*P44, STC89C514RD+*P44, STC89C516RD+*P44, STC89LE51RD*P44, STC89LE52RD*P44, STC89LE54RD+*P44, STC89LE58RD+*P44, STC89LE510RD+*P44, STC89LE512RD+*P44, STC89LE513RD+*P44, STC89LE514RD+*P44, STC89LE516RD+*P44, STC89C51RC*Q44, STC89C52RC*Q44, STC89C54RD+*Q44, STC89C58RD+*Q44, STC89C510RD+QP44, STC89C512RD+QP44, STC89C513RD+QP44, STC89C514RD+QP44, STC89C516RD+QP44, STC89LE51RC*Q44, STC89LE52RC*Q44, STC89LE54RD+*Q44, STC89LE58RD+*Q44, STC89LE510RD+*Q44, STC89LE512RD+*Q44, STC89LE513RD+*Q44, STC89LE514RD+*Q44, STC89LE516RD+*Q44,

___MPU-STC_2007: STC89C51RC, STC89C51RC*P44, STC89C51RC*Q44, STC89C52RC, STC89C52RC*P44, STC89C52RC*Q44, STC89C53RC, STC89C53RC*P44, STC89C53RC*Q44, STC89C54RD+, STC89C54RD+*P44, STC89C54RD+*Q44, STC89C58RD+, STC89C58RD+*P44, STC89C58RD+*Q44, STC89C516RD+, STC89C516RD+*P44, STC89C516RD+*Q44, STC89C58AD, STC89C58AD*P44, STC89C58AD*Q44, STC89C516AD, STC89C516AD*P44, STC89C516AD*Q44, STC89C516X2, STC89C516X2*P44, STC89C516X2*Q44, STC89LE51RC, STC89LE51RC*P44, STC89LE51RC*Q44, STC89LE52RC, STC89LE52RC*P44, STC89LE52RC*Q44, STC89LE53RC, STC89LE53RC*P44, STC89LE53RC*Q44, STC89LE54RD+, STC89LE54RD+*P44, STC89LE54RD+*Q44, STC89LE58RD+, STC89LE58RD+*P44, STC89LE58RD+*Q44, STC89LE516RD+, STC89LE516RD+*P44, STC89LE516RD+*Q44, STC89C58RD, STC89LV58RD, STC89C516RD, STC89LV516RD, STC12LE1052, STC12LE2052, STC12LE3052, STC12LE4052, STC12LE5052, STC12C1052, STC12C2052, STC12C3052, STC12C4052, STC12C5052, STC12C5401(DIP/SSOP20), STC12C5401(DIP/SOP28), STC12C5401(PLCC32), STC12C5402(DIP/SSOP20), STC12C5402(DIP/SOP28), STC12C5402(PLCC32), STC12C5404(DIP/SSOP20), STC12C5404(DIP/SOP28), STC12C5404(PLCC32), STC12C5406(DIP/SSOP20), STC12C5406(DIP/SOP28), STC12C5406(PLCC32), STC12C5408(DIP/SSOP20), STC12C5408(DIP/SOP28), STC12C5408(PLCC32), STC12C5410(DIP/SSOP20), STC12C5410(DIP/SOP28), STC12C5410(PLCC32), STC12C5412(DIP/SSOP20), STC12C5412(DIP/SOP28), STC12C5412(PLCC32), STC12LE5401(DIP/SSOP20), STC12LE5401(DIP/SOP28), STC12LE5401(PLCC32), STC12LE5402(DIP/SSOP20), STC12LE5402(DIP/SOP28), STC12LE5402(PLCC32), STC12LE5404(DIP/SSOP20), STC12LE5404(DIP/SOP28), STC12LE5404(PLCC32), STC12LE5406(DIP/SSOP20), STC12LE5406(DIP/SOP28), STC12LE5406(PLCC32), STC12LE5408(DIP/SSOP20), STC12LE5408(DIP/SOP28), STC12LE5408(PLCC32), STC12LE5410(DIP/SSOP20), STC12LE5410(DIP/SOP28), STC12LE5410(PLCC32), STC12LE5412(DIP/SSOP20), STC12LE5412(DIP/SOP28), STC12LE5412(PLCC32), STC12C2052-(DIP20), STC12C2052-(ISP),

MPU-STK: STK6033BDIG(DIP40-16K), STK6033BPLG(PLCC44-16K), STK6033BQPG(QFP44-16K), STK6033BLQG(LQFP48-16K),
STK6033BSOG(SOP20-16K), STK6031(DIP40-64K), STK6031APLP(PLCC44-64K), STK6031AQPP(QFP44-64K), STK6031ALQP(LQFP48-64K),
STK6032(DIP40-64K), STK6032(PLCC44-64K), STK6032(QFP44-64K), STK6032(LQFP48-64K), STK6052(as,

MPU-SYNCMOS: SM2952, SM2952*P44, SM2952*Q44, SM2958, SM2958*P44, SM2958*Q44, SM2964, SM2964*P44, SM2964*Q44, SM2965, SM2965*P44, SM2965*Q44, SM8951A, SM8951A*P44, SM8951A*Q44, SM8952A, SM8952A*P44, SM8952A*Q44, SM8951B, SM8951B*P44, SM8951B*Q44, SM8952B, SM8952B*P44, SM8952B*Q44, SM8954C, SM8954C*P44, SM8954C*Q44, SM8958C, SM8958C*P44, SM8958C*Q44, SM89516, SM89516*P44, SM89516*Q44, SM89516C, SM89516C*P44, SM89516C*Q44, SM89516L, SM89516L*P44, SM89516L*Q44, SM8954A, SM8954A*P44, SM8954A*Q44, SM8958A, SM8958A*P44, SM8958A*Q44, SM89516A, SM89516A*P44, SM89516, SM89516A*Q44, SM89516, SSU7301, SSU7301*P44, SSU7301*Q44, SM7908, SM7908*P44, SM7908*Q44, SM79108, SM79108*P44, SM79108*Q44, SM7964, SM79164, SM7964*P44, SM7964*Q44, SM5964C, SM5964C*P44, SM5964C*Q44, SM5964A, SM5964A*P44, SM5964A*Q44, SM5964AL, SM5964AL*P44, SM5964AL*Q44, SM89516R1, SM89516R1*P44, SM89516, SM89516R1*Q44, SM89516, SM59264, SM59264*P44, SM59264*Q44, SM59128, SM59128*P44, SM59128*Q44, SM59D03G2C, SM59D03G2L, SM59D04G2C, SM59D04G2L, SM894051,

MPU-INTEL: i87C51, i87C51*P44, i87C51*Q44, i87C52, i87C52*P44, i87C52*Q44, i87C54, i87C54*P44, i87C54*Q44, i87C58, i87C58*P44, i87C58*Q44, i87C51FA, i87C51FA*P44, i87C51FA*Q44, i87C51FB, i87C51FB*P44, i87C51FB*Q44, i87C51FC, i87C51FC*P44, i87C51FC*Q44, i87LC51FA, i87LC51FA*P44,PHI8758, i87LC51FA*Q44,PHI8758, i87LC51FB, i87LC51FB*P44,PHI8758, i87LC51FB*Q44,PHI8758, i87LC51FC, i87LC51FC*P44,PHI8758, i87LC51FC*Q44,PHI8758, i87C51RA+, i87C51RA+*P44,PHI8758, i87C51RA+*Q44,PHI8758, i87C51RB+, i87C51RB+*P44,PHI8758, i87C51RB+*Q44,PHI8758, i87C51RC+, i87C51RC+*P44,PHI8758, i87C51RC+*Q44,PHI8758, i87C51RD+, i87C51RD+*P44,PHI8758, i87C51RD+*Q44,PHI8758, i87LC51RA+, i87LC51RA+*P44,PHI8758, i87LC51RA+*Q44,PHI8758, i87LC51RB+, i87LC51RB+*P44,PHI8758, i87LC51RB+*Q44,PHI8758, i87LC51RC+, i87LC51RC+*P44,PHI8758, i87LC51RC+*Q44,PHI8758, i87LC51RD+, i87LC51RD+*P44,PHI8758, i87LC51RD+*Q44,PHI8758,

MPU-WINBOND: W78E51, W78E51*P44, W78E51*Q44, W78E51B, W78E51B*P44, W78E51B*Q44, W78E51C, W78E51C*P44, W78E51C*Q44, W78E051C, W78E051C*P44, W78E051C*Q44, W78LE51C, W78LE51C*P44, W78LE51C*Q44, W78L051C, W78L051C*P44, W78L051C*Q44, W78E52, W78E52*P44, W78E52*Q44, W78E52B, W78E52B*P44, W78E52B*Q44, W78E52C, W78E52C*P44, W78E52C*Q44, W78E052C, W78E052C*P44, W78E052C*Q44, W78LE52C, W78LE52C*P44, W78LE52C*Q44, W78L052C, W78L052C*P44, W78L052C*Q44, W78E54, W78E54*P44, W78E54*Q44, W78E54B, W78E54B*P44, W78E54B*Q44, W78LE54, W78LE54*P44, W78LE54*Q44, W78E54C, W78E54C*P44, W78E54C*Q44, W78E054C, W78E054C*P44, W78E054C*Q44, W78L054C, W78L054C*P44, W78L054C*Q44, W78E58, W78E58*P44, W78E58*Q44,

W78E058, W78E058*P44, W78E058*Q44, W78E58B, W78E58B*P44, W78E58B*Q44, W78LE58, W78LE58*P44, W78LE58*Q44, W78E516B, W78E516B*P44, W78E516, W78E516B*Q44, W78E516, W78LE516, W78LE516*P44, W78E516, W78LE516*Q44, W78E516, W78E51D, W78E51D*P44, W78E51D*Q44, W78E52D, W78E52D*P44, W78E52D*Q44, W78E54D, W78E54D*P44, W78E54D*Q44, W78E58D, W78E58D*P44, W78E58D*Q44, W78E516D, W78E516D*P44, W78E516, W78E516D*Q44, W78E516, W78E051D, W78E051D*P44, W78E051D*Q44, W78E052D, W78E052D*P44, W78E052D*Q44, W78E054D, W78E054D*P44, W78E054D*Q44, W78E058D, W78E058D*P44, W78E058D*Q44, W78E0516D, W78E0516D*P44, W78E516, W78E0516D*Q44, W78E516, W78ERD2, W78ERD2*P44, W78ERD2*Q44, W78IRD2, W78IRD2*P44, W78IRD2*Q44, W78LE51, W78LE51*P44, W78LE51*Q44, W78LE52, W78LE52*P44, W78LE52*Q44, W78LE54, W78LE54*P44, W78LE54*Q44, W77E54, W77E54*P44, W77E54*Q44, W78E54C, W78E54C*P44, W78E54C*Q44, W78E62, W78E62*P44, W78E62*Q44, W78E65, W78E65*P44, W78E65*Q44, W78L065, W78L065*P44, W78L065*Q44, W78E365, W78E365*P44, W78E365*Q44, W78LE365, W78LE365*P44, W78LE365*Q44, W78E858, W78E858*P44, W78E858*Q44, W77E58, W77E58*P44, W77E58*Q44, W77LE58, W77LE58*P44, W77LE58*Q44, W77E516, W77E516*P44, W77E516*Q44, W77LE516, W77LE516*P44, W77LE516*Q44, W77E516, W77E516*P44, W77E516*Q44, W77LE516, W77LE516*P44, W77LE516*Q44, W77E532, W77E532*P44, W77E532*Q44, W79E532, W79E532*P44, W79E532*Q44, W79E632, W79E632*P44, W79E632*Q44, W79E201, W79E802ADG(DIP20), W79E802ASG(SOP20), W79E803ADG(DIP20), W79E803ASG(SOP20), W79E804ADG(DIP20), W79E804ASG(SOP20), W79E821A(20PIN), W79E822A(20PIN), W79E823A(20PIN), W79E824A(20PIN), W79E825A(20PIN), W79E225*P44, W79E226*P44, W79E227*P44, W79E2051(20PIN), W79E4051(20PIN), W79E2051(16PIN), W79E4051(16PIN), W79E2051(14PIN), W79E4051(14PIN), N79E352(ICP), N79E352*PLCC44(ICP), N79E352*QFP44(ICP), N79E875*LQFP48(ICP),

MPU-MICROCHIP: PIC10F200(PDIP-8), PIC10F202(PDIP-8), PIC10F204(PDIP-8), PIC10F206(PDIP-8), PIC10F200(SOT-23), PIC10F202(SOT-23), PIC10F204(SOT-23), PIC10F206(SOT-23), PIC12C508, PIC12C508A, PIC12C508B, PIC12C509, PIC12C509A, PIC12C509B, PIC12C518, PIC12C519, PIC12C671, PIC12C672, PIC12CE673, PIC12CE674, PIC12F629, PIC12F675, PIC12F508, PIC12F509, PIC12F510, PIC12F635-8PIN, PIC12F683-8PIN, PIC16F636-8PIN, PIC16F639-8PIN, PIC16F684-8PIN, PIC16F685-8PIN, PIC16F687-8PIN, PIC16F688-8PIN, PIC16F689-8PIN, PIC16F690-8PIN, PIC16F636-14PIN, PIC16F684-14PIN, PIC16F688-14PIN, PIC16F639-20PIN, PIC16F685-20PIN, PIC16F687-20PIN, PIC16F689-20PIN, PIC16F690-20PIN, PIC16F505, PIC16F506, PIC12F508-new, PIC12F509-new, PIC12F510-new, PIC16F54, PIC16F57, PIC16F630, PIC16F676, PIC16C505, PIC16C54, PIC16HV540, PIC16C54-LP, PIC16C54-XT, PIC16C54-RC, PIC16C54-HS, PIC16C54A, PIC16C54B, PIC16C54C, CF745, PIC16C55, PIC16C55-LP, PIC16C55-XT, PIC16C55-RC, PIC16C55-HS, PIC16C55A, PIC16C55B, PIC16C55C, PIC16C56, PIC16C56-LP, PIC16C56-XT, PIC16C56-RC, PIC16C56-HS, PIC16C56A, PIC16C56B, PIC16C56C, PIC16C57, PIC16C57-LP, PIC16C57-XT, PIC16C57-RC, PIC16C57-HS, PIC16C57A, PIC16C57B, PIC16C57C, CF775, PIC16C58, PIC16C58-LP, PIC16C58-XT, PIC16C58-RC, PIC16C58-HS, PIC16C58A, PIC16C58B, PIC16C58C, PIC16C64, PIC16C64*P44, PIC16C64*Q44, PIC16C64A, PIC16C64A*P44, PIC16C64A*Q44, PIC16C64B, PIC16C64B*P44, PIC16C64B*Q44, PIC16C65, PIC16C65*P44, PIC16C65*Q44, PIC16C65A, PIC16C65A*P44, PIC16C65A*Q44, PIC16C65B, PIC16C65B*P44, PIC16C65B*Q44, PIC16C74, PIC16C74*P44, PIC16C74*Q44, PIC16C74A, PIC16C74A*P44, PIC16C74A*Q44, PIC16C74B, PIC16C74B*P44, PIC16C74B*Q44, PIC16C71, PIC16C71A, PIC16C71B, PIC16C711, PIC16C712, PIC16C61, PIC16C710, PIC16C620, PIC16C621, PIC16C622, PIC16C715, PIC16C716, PIC16C62, PIC16C62A, PIC16C62B, PIC16C63, PIC16C63A, PIC16C63B, PIC16C73, PIC16C73A, PIC16C73B, PIC16C773, PIC16C774, PIC16C774*P44, PIC16C774*Q44, PIC16C66, PIC16C67, PIC16C72, PIC16C72A, PIC16C72B, PIC16C76, PIC16C76A, PIC16C76B, PIC16C77, PIC16C77*P44, PIC16C77A*Q44, PIC16C77B*P44, PIC16C77B*Q44, PIC16C641, PIC16C642, PIC16C661, PIC16C661*P44, PIC16C661*Q44, PIC16C662, PIC16C662*P44, PIC16C662*Q44, PIC16C554, PIC16C556, PIC16C558, PIC16C717, PIC16C770, PIC16C771, PIC16C781, PIC16C782, PIC16F627, PIC16F628, PIC16LF627, PIC16LF628, PIC16F627A, PIC16F628A, PIC16F648A, PIC16LF627A, PIC16LF628A, PIC16LF648A, PIC16F716, PIC16F72, PIC16F73, PIC16F74, PIC16F74*P44, PIC16F74*Q44, PIC16F76, PIC16F77, PIC16F77*P44, PIC16F77*Q44, PIC16F737, PIC16F747, PIC16F747*P44, PIC16F747*Q44, PIC16F767, PIC16F777, PIC16F777*P44, PIC16F777*Q44, PIC16F83, PIC16CR83, PIC16C84, PIC16CR84, PIC16F84, PIC16F84A, PIC16F870, PIC16F871, PIC16F871*P44, PIC16F871*Q44, PIC16F872, PIC16F873, PIC16F874, PIC16F874*P44, PIC16F874*Q44, PIC16F876, PIC16F877, PIC16F877*P44, PIC16F877*Q44, PIC16F873A, PIC16F874A, PIC16F874A*P44, PIC1687XA, PIC16F874A*Q44, PIC1687XA, PIC16F876A, PIC16F877A, PIC16F877A*P44, PIC1687XA, PIC16F877A*Q44, PIC1687XA, PIC16F818, PIC16F819, PIC17C42, PIC17C42*P44, PIC17C4X, PIC17C42*Q44, PIC17C4X, PIC17C42A, PIC17C42A*P44, PIC17C4X, PIC17C42A*Q44, PIC17C4X, PIC17CR42, PIC17CR42*P44, PIC17C4X, PIC17CR42*Q44, PIC17C4X, PIC17C43, PIC17C43*P44, PIC17C43*Q44, PIC17CR43, PIC17CR43*P44, PIC17C4X, PIC17CR43*Q44, PIC17C4X, PIC17C44, PIC17C44*P44, PIC17C44*Q44, PIC18C242, PIC18C242*SOIC28, PIC18C442, PIC18C442*P44, PIC18CXXX, PIC18C442*Q44, PIC18CXXX, PIC18C252, PIC18C452, PIC18C452*P44, PIC18CXXX, PIC18C452*Q44, PIC18F242, PIC18F248, PIC18F252, PIC18F258, PIC18F442, PIC18F442*P44, PIC18F442*Q44, PIC18F448, PIC18F448*P44, PIC18F448*Q44, PIC18F452, PIC18F452*P44, PIC18F452*Q44, PIC18F458, PIC18F458*P44, PIC18F458*Q44, PIC18F2439, PIC18F2539, PIC18F4439, PIC18F4439*P44, PIC18FXX2, PIC18F4439*Q44, PIC18FXX2, PIC18F4539, PIC18F4539*P44, PIC18FXX2, PIC18F4539*Q44, PIC18FXX2, PIC18F2331, PIC18F2431, PIC18F4331, PIC18F4331*P44, PIC18FXX2, PIC18F4331*Q44, PIC18FXX2, PIC18F4431, PIC18F4431*P44, PIC18FXX2, PIC18F4431*Q44, PIC18FXX2, PIC18F2221, PIC18F2321, PIC18F4221, PIC18F4321, PIC18F2455, PIC18F2458, PIC18F4455, PIC18F4458, PIC18F2410, PIC18F2420, PIC18F2423, PIC18F2450, PIC18F2480, PIC18F2580, PIC18F4480, PIC18F4580, PIC18F4410, PIC18F4420, PIC18F4450, PIC18F2510, PIC18F2520, PIC18F2523, PIC18F2550, PIC18F2553, PIC18F4510, PIC18F4520, PIC18F4523, PIC18F4550, PIC18F4553, PIC18F2515, PIC18F2525, PIC18F2585, PIC18F4515, PIC18F4525, PIC18F4585, PIC18F2610, PIC18F2620, PIC18F2680, PIC18F4610, PIC18F4620, PIC18F4680, PIC18F2682, PIC18F2685, PIC18F4682, PIC18F4685, PIC16F882, PIC16F883, PIC16F886, PIC16F884, PIC16F887, PIC16F913, PIC16F916, PIC16F914, PIC16F917, PIC16F722, PIC16F723, PIC16F726, PIC16F724, PIC16F727, PIC16LF722, PIC16LF723, PIC16LF726, PIC16LF724, PIC16LF727, PIC30F2010, PIC30F2011, PIC30F2012, PIC30F3010, PIC30F3011, PIC30F3012, PIC30F3013, PIC30F3014,

MPU-MICON: MDT10P62, MDT10P72, MDT10P721, MDT10P73, MDT10P64, MDT10P74, MDT10P651, MDT10P651-C, MDT10P55A1/A3, MDT10P55A2/A4, MDT10P55B1/B3, MDT10P55B2/B4, MDT10P56A1/A3, MDT10P56A2/A4, MDT10P57A1/A3, MDT10P57A2/A4, MDT10P41A1, MDT10P41A2, MDT10P43, MDT10P53A1/A3, MDT10P53A2/A4, MDT10P21A1P, MDT10P21A1S, MDT10P21A2K, MDT10P21A3S, MDT10P22A1P, MDT10P22A1S, MDT10P22A2K, MDT10P22A3S, MDT2005, MDT2005E, MDT2010, MDT2010E, MDT2015, MDT2020, MDT2020B, MDT2030, MDT10P05, MDT10P20, MDT2051,

MPU-ELAN: EM78P158A(20P), EM78P258A(20P), EM78P458A(20P), EM78P159A(20P), EM78P259A(20P), EM78P459A(28P), EM78P156E, EM78P256E, EM78P456E, EM78P247SA, EM78P247SB, EM78P447SA, EM78P447SB, EM78P451,

MPU-VERSACHIP: V87C54, V87C54*P44, V87C54*Q44, V87C58, V87C58*P44, V87C58*Q44,

MPU-CRESCENTEC: CR80P100, CR80P200, STK99100,

MPU-TOPTEK: T81P54, T80P54, T80P57, T80P65, T52,

____**MPU-ISSI:** IS89C51A, IS89C51A*P44, IS89C51A*Q44, IS89C52A, IS89C52A*P44, IS89C52A*Q44, IS89LV51A, IS89LV51A*P44, IS89LV51A*Q44, IS89LV52A, IS89LV52A*P44, IS89LV52A*Q44,

____**MPU-TOPRO:** TP2804H, TP2804H*P44, TP2804H*Q44, TP2804L, TP2804L*P44, TP2804L*Q44, TP2808H, TP2808H*P44, TP2808H*Q44, TP2808L, TP2808L*P44, TP2808L*Q44,

____**MPU-SONIX:** SN8P1602B*18Pin, SN8P1602P*18Pin, SN8P1602S*18Pin, SN8P1603P*18Pin, SN8P1603S*18Pin, SN8P1602AP*18Pin, SN8P1602AS*18Pin, SN8P1602BP*18Pin, SN8P1602BS*18Pin, SN8P1602X*20Pin, SN8P1603X*20Pin, SN8P1602AX*20Pin, SN8P1602BX*20Pin, SN8P1604K*28Pin, SN8P1604S*28Pin, SN8P1604AK*28Pin, SN8P1604AP*28Pin, SN8P1604AS*28Pin, SN8P2501AP/AS*14Pin, SN8P2501AX*16Pin, SN8P2602AP/AS*18Pin, SN8P2602BP/BS*18Pin, SN8P2602X*20Pin, SN8P2612P/S*18Pin, SN8P2612X*20Pin, SN8P2613P/S/X*20Pin, SN8P2604K/S*28Pin, SN8P26042P/S/X*20Pin, SN8P2606*40Pin, SN8P2608*48Pin, SN8P2722P/S/X*20Pin, SN8P2711P/S*14Pin, SN8P2711X*16Pin, SN8P2704AK/S*28Pin, SN8P27142P/S*18Pin, SN8P27143P/S/X*20Pin, SN8P2602, SN8P2714K/S*28Pin", SN8P2715P/S*32Pin", SN8P2705APS*32Pin, SN8P2706AP*40Pin, SN8P2708AX/AP*48Pin,

____**MPU-SAMSUNG:** S3F9452*20PIN, S3F9484*QFP44, S3F9488*QFP44, S3F9452*16PIN, S3F9454*16PIN, S3F9442*8PIN, S3F9444*8PIN, S3P9404*30PIN, S3P9404*32PIN, S3F9452*20PIN, S3P9454*20PIN, S3F9444*8PIN, S3F9442*8PIN, S3P9414*24PIN, S3P9434*16PIN, S3P9434*20PIN, S3P9432*18PIN, S3P9434*18PIN, S3P9455*16PIN, S3P9498*32PIN, S3P9498*30PIN, S3P9498*28PIN, S3C80M4*20PIN, S3F80M4*20PIN, S3C80M4*16PIN, S3F80M4*16PIN,

____**MPU-future:** STM32F103C6,STM32ISP, SN8P1702, SN8P1702A, SN8P2602P, MDT10P73, MC68HC908JL8*20DIP, MC68HC908JL8*28DIP, MC68HC908JL8*32DIP, MC68HC908Q4*8DIP, S3F9454*20PIN, SM59R08A2(64LTQFP), SM59R16A2(64LTQFP), SM59G04(ISP),SM59ISP, LS2051,

____**MPU-HMWIN:** H5813(DIP20), H5813(SOP20), H5815(DIP20), H5815(SOP),

____**Serial-:** 93C46, 93C56, 93C66, 93C57, 93C86, 93C76, 93C46, 93C56, 93C66, 93C76, 93C86, 24C01A, 24C02, 24C04, 24C08, 24C16, 24C32, 24C64, 24C128, 24C256, 24C512,

____**Serial-AKM:** AK93C46, AK93C56, AK93C66, AK6420AF, AK6440AF, AK6480AF, AK6480CF, AK6420B, AK6440B, AK6480B, AK6420AM, AK6440AM, AK6480AM, AK6480CL, AK6481CH, AK6481CM, AK6416A, AK6416AM, AK6416CM, AK6416CH, AK93C46, AK93C56, AK93C66, AK93C86, AK93C86,

____**Serial-ATMEL:** AT24C01, AT24C02, AT24C02A, AT24C04, AT24C04A, AT24C08, AT24C08A, AT24RF08C, AT24C16, AT24C16A, AT24C32, AT24C64, AT24C128, AT24C256, AT24C512, AT93C46, AT93C56, AT93C66, AT93C86, AT93C46, AT93C56, AT93C66, AT93C86, AT25010, AT25020, AT25040, AT25080, AT25160, AT25320, AT25640, AT25128, AT25256, AT25010A, AT25020A, AT25040A, AT25080A, AT25160A, AT25320A, AT25640A, AT25128A, AT25256A, AT25F512, AT25F1024, AT25F1024A,ACTRANS25, AT25F2048, AT25DF021,AT26DF, AT25DF041,AT26DF, AT25DF081,AT26DF, AT25DF161,AT26DF, AT26DF021,AT26DF, AT26DF041,AT26DF, AT26DF081,AT26DF, AT26DF161,AT26DF,

____**Serial-ACTRANS:** AC25512, AC25LC512, AC25LV512, AC25010, AC25LC010, AC25LV010,

____**Serial-AMIC:** A25L10P(8PIN), A25L20P(8PIN), A25L40P(8PIN), A25L80P(8PIN),

____**Serial-APLUS:** AF24BC01, AF24BC02, AF24BC04, AF24BC08, AF24BC16, AF24BC32, AF24BC64, AF24BC128, AF24BC256, AF93BC46, AF93BC56, AF93BC66, AF93BC86, AF93BC46, AF93BC56, AF93BC66, AF93BC86,

____**Serial-MXIC:** A25L10P(8PIN), A25L20P(8PIN), A25L40P(8PIN), A25L80P(8PIN),

____**Serial-EON:** EN25T10(8PIN), EN25T20(8PIN), EN25T40(8PIN), EN25T80(8PIN), EN25T80(8PIN), EN25T16(8PIN), EN25F10(8PIN), EN25F20(8PIN), EN25F40(8PIN), EN25F80(8PIN), EN25F80(8PIN), EN25F16(8PIN),

____**Serial-ST:** M25P10-V(8PIN), M25P20-V(8PIN), M25P40-V(8PIN), M25P80-V(8PIN),

____**Serial-WINBOND:** W25P10L(8PIN), W25P20L(8PIN), W25P40L(8PIN), W25P80L(8PIN), W25X10L(8PIN), W25X20L(8PIN), W25X40L(8PIN), W25X80L(8PIN), W25X16V/L(8PIN), W25X32V/L(8PIN), W25X64V/L(8PIN),

____**Serial-PMC:** PM25LV512(8PIN), PM25LV010(8PIN), PM25LV020(8PIN), PM25LV040(8PIN), PM25LV080(8PIN),

____**Serial-ESI:** ES25P10(8PIN), ES25P20(8PIN), ES25P40(8PIN), ES25P80(8PIN),

____**Serial-SPANSION:** S25FL001(8PIN), S25FL002(8PIN), S25FL004(8PIN), S25FL008(8PIN),

____**Serial-SST:** SST25LF512(8PIN), SST25LF010(8PIN), SST25LF020(8PIN), SST25LF040(8PIN), SST25LF512A(8PIN), SST25LF010A(8PIN), SST25LF020A(8PIN), SST25LF040A(8PIN), SST25VF512(8PIN), SST25VF010(8PIN), SST25VF020(8PIN), SST25VF040(8PIN), SST25VF512A(8PIN), SST25VF010A(8PIN), SST25VF020A(8PIN), SST25VF040A(8PIN), SST25VF040B(8PIN), SST25VF080B(8PIN), SST25VF016B(8PIN), SST25VF032B(8PIN),

____**Serial-CATALYST:** CAT24C01, CAT24C02, CAT24C02A, CAT24C02AI, CAT24C02I, CAT24C04, CAT24C04I, CAT24C08, CAT24C08I, CAT24C16, CAT24C16I, CAT24LC01, CAT24LC02, CAT24LC02A, CAT24LC02AI, CAT24LC02I, CAT24LC04, CAT24LC04I, CAT24LC08, CAT24LC08I, CAT24LC16, CAT24LC16I, CAT24WC02, CAT24WC04, CAT24WC08, CAT24WC16, 93C46, 93C46A, 93C46H, 93C46I, 93C46, 93C56, 93C66,

____**Serial-EXEL:** XL93C46, XL93C56, XL93C66, XL93CS46, X93C46, X93C56, X93C66, X93C86, X93C86,

____**Serial-FAIRCHILD:** FM24C02, FM24C02W, FM24C03, FM24C04, FM24C04W, FM24C08, FM24C08W, FM24C16, FM24C16W, FM93C46, FM93C56, FM93C66, FM93C46, FM93C56, FM93C66,

____**Serial-HYUNDAL:** HY24C02, HY24C02W, HY24C04, HY24C04W, HY24C08, HY24C08W, HY24C16, HY24C16W, HY93C46, HY93C46, HY93C46, HY93C56, HY93C66,

____**Serial-ICT:** 24C02, 24C02W, 24C04, 24C04W, 24C08, 24C08W, 24C16, 24C16W, 93C46, 93C46A, 93CX46, 93C56, 93CX56, 93C66, 93CX66, 93C46, 93C56, 93C66,

____**Serial-ISSI:** 24C02, 24C04, 24C08, 24C16, 93C46/-3, 93C56/-3, 93C66, 93C46, 93C56, 93C66,

____**Serial-MICROCHIP:** 24C01A, 24C02A, 24C04A, 24C04, 24C08, 24C16, 24C32, 24C64, 24C65, 24C128, 24C256, 24C512, 24LC01, 24LC02, 24LC04, 24LC04, 24LC08, 24LC16, 24LC32, 24LC64, 24LC65, 24LC128, 24LC256, 24LC512, 93C46, 93C56, 93LC56, 93C66, 93LC66, 93C86, 93C46, 93C46, 93C56, 93C66, 93C86, 93C46A, 93C46B, 93C46C, 93C46C, 93C56A, 93C56B, 93C56C, 93C56C, 93C66A, 93C66B, 93C66C, 93C66C, 93C86A, 93C86B, 93C86C, 93LC46A, 93LC46B, 93LC46C, 93LC46C, 93LC56A, 93LC56B, 93LC56C, 93LC56C, 93LC66A, 93LC66B, 93LC66C, 93LC66C, 93LC86A, 93LC86B, 93LC86C, 93LC86C, 93AA46A, 93AA46B, 93AA46C, 93AA46C, 93AA56A, 93AA56B, 93AA56C, 93AA56C, 93AA66A, 93AA66B, 93AA66C, 93AA66C, 93AA86A, 93AA86B, 93AA86C, 93AA86C, 25C040, 25C080, 25C160, 25C320, 25LC040, 25LC080, 25LC160, 25LC320, 25LC640, 25AA040, 25AA080, 25AA160, 25AA320, 25AA640,

____**Serial-NS:** 24C02, 24C02L, 24C04, 24C04L, 24C08, 24C16, NMC93C46, NMC93C46, NMC93CS46, NMC93C56, NMC93CS56, NMC93C66, NMC93CS66, NM93C46, NM93C56, NM93C66, NM59C11, NM24C02/L, NM24C04/L, NM24C08, NM24C16,

___**Serial-ROHM**: BR24C01A, BR24C02, BR24C04, BR24C08, BR24C16, BR24C32, BR24C64, BR93C46, BR93C56, BR93C66, BR93C46, BR93C56, BR93C66, BR93LC46, BR93LC56, BR93LC66, BR93LC46, BR93LC56, BR93LC66, BR9010AF, BR9020AF, BR9040AF, BR9080AF, BR9080CF, BR9010B, BR9020B, BR9040B, BR9080B, BR9020AM, BR9040AM, BR9080AM, BR9080CL, BR9016A, BR9016AM, BR9016CM, BR9016CH,

___**Serial-SAMSUNG**: KM24C02, KM24C04, KM24C08, KM24C16, KM93C46, KM93C46V, KM93C56, KM93CS56, KM93C57, KM93C66, KM93CS66, KM93C67,

___**Serial-ST**: 24C01, 24C02A, ST24C04, ST24C08, ST24C16, M93C46A, M93C56, M93C66, M93C57, M93C76, M93C86, MST93C46, M93C56, M93C66, M93C76, M93C86, M93S46, M93S46-W, M93S46-R, M93S56, M93S56-W, M93S56-R, M93S66, M93S66-W, M93S66-R, M95160, M95320, M95640,

___**Serial-SGS-THOMSON**: ST24C01, ST24C02A, ST24C04, ST24C08, ST24C16, ST93C46A, ST93C56, ST93C66, ST93C46, ST93C56, ST93C66, ST93C57, ST93C86, ST93C86,

___**Serial-XICOR**: X24C00, X24C01, X24C01I, X24C01A, X2402, X2402I, X24C02, X24C02I, X2404, X2404I, X24C04, X24C04I, X24C16, X24C16I, X25043(8pin), X25045(8pin), X5043(8pin), X5045(8pin), X5043(14pin), X5045(14pin), X25010, X25020, X25040, X25080, X25160, X25320, X25640, X25650, X93C46, X93C56, X93C66, X93C86, X93C86, X25043(8pin), X25045(8pin), X5043(8pin), X5045(8pin), X5043(14pin), X5045(14pin),

___**Serial-PMC**: PM25010, PM25020, PM25040, PM25080,

___**Serial-PHILIPS**: PCF8570, PCF8570C, PCF8571, PCF8572, PCF8581, PCF8582, PCF8594, PCF8598, PCF85102, PCF85103,

___**Serial-YMC**: Y24LC02A, Y54LC64, Y93LC46A, Y93LC46A, Y93LC46A, Y93LC66A,

___**Serial-MITSUBISHI**: M6M80021P(8, M6M80021FP(10, M6M80041P(8, M6M80041FP(10, S-29255A(8, S-29355A(8,

___**PLD-AMI**: PEEL18CV8, PEEL20GC10, PEEL20GC10A, PEEL22CV10, PEEL22CV10A, PEEL22CV10AP,

___**PLD-AMD**: PALCE16V8H-10/4, PALCE16V8H-15, PALCE16V8H-15/4, PALCE16V8H-25, PALCE16V8H-25/4, PALCE16V8H-5/5, PALCE16V8H-7/5, PALCE16V8Q-10/4, PALCE16V8Q-15, PALCE16V8Q-15/4, PALCE16V8Q-25, PALCE16V8Z-15/5, PALCE16V8Z-25/4, PALCE20V8H-10, PALCE20V8H-15, PALCE20V8H-15/4, PALCE20V8H-25, PALCE20V8Q-10, PALCE20V8Q-15, PALCE20V8Q-15/4, PALCE20V8Q-25, PALCE22V10H-25, PALCE22V10H-15, PALCE22V10H-10, PALCE22V10H-7, PALCE22V10Q-25, PALCE22V10Q-15, PALCE22V10Q-10, PALCE22V10Q-7,

___**PLD-ATMEL**: ATF16V8, ATF16V8B, ATF16V8BL, ATF16V8BQ, ATF16V8BQL, ATF16V8C, ATF16V8CEXT, ATF16V8CZ, ATF20V8, ATF20V8B, ATF20V8BL, ATF20V8BQL, ATF22V10, ATF22V10L, ATF22V10B/L,

___**PLD-LATTICE**: GAL16V8, GAL16V8A, GAL16V8B, GAL16V8D, GAL20V8, GAL20V8A, GAL20V8B, GAL22V10, GAL22V10A, GAL22V10B, GAL22V10C, GAL22V10D, PALCE16V8H-10/4, PALCE16V8H-15, PALCE16V8H-15/4, PALCE16V8H-25, PALCE16V8H-25/4, PALCE16V8H-5/5, PALCE16V8H-7/5, PALCE16V8Q-10/4, PALCE16V8Q-15, PALCE16V8Q-15/4, PALCE16V8Q-25, PALCE16V8Z-15/5, PALCE16V8Z-25/4, PALCE20V8H-10, PALCE20V8H-15, PALCE20V8H-15/4, PALCE20V8H-25, PALCE20V8Q-10, PALCE20V8Q-15, PALCE20V8Q-15/4, PALCE20V8Q-25, PALCE22V10H-15,

___**PLD-ICT**: PEEL20GC10, PEEL20GC10A, PEEL22CV10, PEEL22CV10A, PEEL22CV10AP,

___**PLD-NS**: GAL16V8, GAL16V8A, GAL20V8, GAL20V8A, GAL20V8, GAL22V10,,

___**PLD-SGS/THOMSON**: GAL16V8, GAL16V8A, GAL16V8AS, GAL16V8S, GAL20V8, GAL20V8A, GAL20V8AS, GAL20V8S, GAL22V10,

___**PLD-VLSI**: VP16V8, VP20V8,

___**RAM-STAND**: 6116, 6264, 62256, 62512, 628128, 628256, 628512, 2464, 24256, 24512, 24010, 24020, 24040,

___**RAM-WINBOND**: W2465, W24128, W24257A, W24257AC, W24M257, W24512A, W24M512, W24M512A, W24M1024, W24010, W24020, W24040,

___**RAM-INTEL**: 6116, 6264, 62256, 62512, 628128, 628256, 628512,

___**RAM-DALLAS**: DS1220Y, DS1220AB, DS1220AD, DS1225AB, DS1225AD, DS1225D, DS1225DE, DS1225Y, DS1230Y, DS1230AB, DS1245Y, DS12449, DS1250Y,

___**RAM-BDTIC**: HK1225, HK1235, HK1245, HK1265, HK1255,

___**TEST-Standard**: 74xxx, 40xxx, 45xxx,

___**ISP-XILINX**: Test(9572xl), XC9536XL(PLCC44), XC9536XL(PLCC44to40),

___**PLD-LATTICE**: iM4A5-64/32(PLCC44),

___**ISP-ALTERA**: EPM7064S,

___**MCU-WINBOND**: W79E802ADG(DIP20ICP), W79E802ADG(DIP20ICP), W79E802ASG(DIP20ICP), W79E803ADG(DIP20ICP), W79E803ASG(DIP20ICP), W79E804ADG(DIP20ICP), W79E804ASG(DIP20ICP), W79E821A(DIP20ICP), W79E822A(DIP20ICP), W79E823A(DIP20ICP), W79E824A(DIP20ICP), W79E825A(DIP20ICP), W79E9311(DIP20ICP), W79A9311A(DIP20ICP), W79E8213(DIP20ICP),

___**MCU-CYGNAL**: C8051F320, C8051F321, C8051F342, C8051F343, C8051F346, C8051F347, C8051F349, C8051F340, C8051F341, C8051F344, C8051F345, C8051F348, C8051F350, C8051F352, C8051F360, C8051F363, C8051F361, C8051F364, C8051F366, C8051F368, C8051F411, C8051F413, C8051F410, C8051F412, C8051F520, C8051F521, C8051F523, C8051F524, C8051F526, C8051F527, C8051F530, C8051F531, C8051F533, C8051F534, C8051F536, C8051F537, C8051F921, C8051F931, C8051F920, C8051F930, C8051F012, AT89S8252(DIP40), AT89S8252ISP, AT89S8253(DIP40), AT89S8253ISP, ATMEGA8L(DIP28), ATMEGA8515(DIP40), ATMEGA16L(DIP40), ATMEGAISP, ATMEGA8L(PDIP28-ISP), ATMEGA48V(PDIP28-ISP), ATMEGA16(PDIP40-ISP), ATMEGA8L(PDIP28), ATMEGA16(PDIP40), ATTINY2313(DIP20), ATTINY2313(ISP), ATTINY13(ISP), AT90S1200(ISP), AT90S2313(ISP), AT90S8515(ISP-dip40), AT90S8535(ISP-dip40), AT90S2333(ISP-DIP28), ATTINY26L(DIP21),