

TOP2011 通用编程器

说明书

Web:<http://www.topwin6.com>

简 介

TOP2011 型编程器具有体积小，功耗低，可靠性高的特点，是专为开发单片机和烧写各类存储器而设计的通用机型。

TOP2011 采用 USB 通用串口与 PC 机连接通信，传输速率高，抗干扰性能好，可靠性能极高，而且无需外接电源，特别适合电池供电的笔记本电脑外出使用。

特点:

- 可支持 2.5~6.5V 的器件；
- 使用 USB 接口电源，也可以外接 5V/1A 电源；
- 通过 USB 通用串口与 PC 机连接，传送速率 12MHz/s；
- 即适合电池供电的笔记本电脑使用，也适合台式机使用；
- 完善的过电流保护，有效地保护编程器和器件不受损害；
- 全插脚检查，可以检查出任意一个插脚的接触状态；
- 40 针进口万能锁紧插座；
- 支持操作系统(32bit)WINDOWS7/vista/xp；
- 塑料机壳，体积小，重量轻，功耗低；
- 可自动探测厂家和型号；
- 单片机定时，编程速度与计算机无关；
- 软件支持：TopWin ver6.0 以上

性能和规格:

● 1. 软件:

TopWin(for 32bit WINDOWS7/vista/xp);

2. 体积: 115 x 90 x 27

3. 重量: 175g

4. 功率: < 2.5w (5v/500mA)

5. 锁紧座: 40 Pin 进口优质插座(可更换)

TOP2011 成套件:

1. TOP2011 主机一件;

2. 标准 USB 1.1 (兼容 USB2.0) 连接电缆线一根;

3. 《TOP2011 通用编程器》说明书一本;

4. 《TopWin 软件操作手册》一本;

5. 配套的 TopWin 软件光盘一张。

TOP2011 支持器件列表

(以软件为准)

2716-12.7V, 2716-21V, 2716-25V, 2732-12.7V, 2732-21V, 2732-25V, 2764-12.7V, 27C64-12.7V, P27, 2764-21V, 2764-25V, 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,

___ 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,

___ 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,

___ EPROM-CATALYST

CAT2764A-12.7V, CAT27128A-12.7V, CAT27C128-12.7V, P27, CAT27C256-12.7V, CAT27512-12.7V, CAT27C010-12.7V,

___ 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, 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, 27C64-12.7V, 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-HITACHI

HN27C64-21V, HN27128AG-12.7V, HN27128P-21V, HN27C256, P27, HN27C512, P27, HN27C101, P27, HN27C301, P27,

___ EPROM-ST

27128, 27C128, 27256, 27C256, 27512, 27C512, 27C1000, 27C1001, 27C405, 27C4001, 27C801,

___ 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,

____EPROM-MATSUSHITA
 27C256, P27, 27C128, P27, 27C256, P27, 27C512, P27, 27C010, P27, 27C020, P27,
 ____EPROM-MICROCHIP
 27C64-12.7V, 27C128-12.7V, 27HC256, P27, 27C512, P27, 27513, P27, 27C513, P27, 27C010, P27,
 27C020, 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, MX27C1000-12.7V,
 ____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, D27/C256-21V, D27C256A-12.7V, D27C512, P27, D27C1000, P27,
 D27C1000A, P27, D27C1001, P27, D27C1001A, P27, D27C2001, P27, D27C4001, P27,
 ____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, NMC27C512, P27, NMC27C512A, P27, NMC27C010, P27,
 NMC27C020, P27,
 ____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,
 ____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,
 ____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,
 ____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,
____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,
____EPROM-AMD
AM29C257, AM28F256, AM28F512, AM28F010/A, AM28F020/A, AM29F256, AM29F512, AM29F010,
AM29F010B, AM29F020, AM29F020B, AM29F040, AM29F040B, AM29LV010B, AM29LV020B, AM29LV040B,
AM29F001B, AM29F001BB, AM29F001T, AM29F001BT, AM29F002B, AM29F002BB, AM29F002T, AM29F002BT,
AM29F002NB, AM29F002NT, AM29LV001B, AM29LV001T, AM29LV001BB, AM29LV001BT, AM29LV002B,
AM29LV002BB, AM29LV002T, AM29LV002BT,
____EPROM-AMIC
A29512, A29010, A29020, A29040, A29L010, A29L020, A29L040, A29001, A290011, A29002,
A290021, A49LF020, A49LF040,
____EPROM-ASD
AE29F1008, AE29F2008, AE29F4008, AE49F1008, AE49F2008,
____EPROM-MACRONIX
MX28F1000, MX28F2000, MX29F010, MX29F020, MX29F040, MX29F001T/B, MX29F002T/B, MX29F004T/B,
____EPROM-ATMEL
AT2816, AT2816A, AT28C16, AT2817A, AT28C17, AT2864A, 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, AT49LW040*32PLCC, AT49LW080*32PLCC, AT49LL020*32PLCC,
AT49LL040*32PLCC, AT49L080*32PLCC, AT49F010, AT49F020, AT49F040, AT49LV010, AT49LV020,
AT49LV040, AT49LV001, AT49LV002, AT49LV004, AT49LW040*32PLCC, AT49LW080*32PLCC, AT49LL020*32PLCC,
AT49LL040*32PLCC, AT49L080*32PLCC,
____EPROM-ACTRANS
AC39LV512, AC39LV010, AC39LV020, AC39LV040,
____EPROM-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,
____EPROM-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,

___EEPROM-EXEL
2816, 2816A, 28C16, 2817A, 28C17, 2864A, 28C64, 28HC64, 28C256,

___EEPROM-EMTC
EM29SF002,

___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,
MBM29LV010, MBM29LV020, MBM29LV040, MBM29F001B, MBM29F001T, MBM29F002B, MBM29F002T,

___EEPROM-HYNIX
HY29F010, HY29F010B, HY29F020, HY29F020B, HY29F040, HY29F040B, HY29LV010B, HY29LV020B,
HY29LV040B, HY29F001B, HY29F001BB, HY29F001T, HY29F001BT, HY29F002B, HY29F002BB,
HY29F002T, HY29F002BT, HY29F002NB, HY29F002NT, HY29LV001B, HY29LV001T, HY29LV001BB,
HY29LV001BT, HY29LV002B, HY29LV002BB, HY29LV002T, HY29LV002BT,

___EEPROM-HITACHI
HN58C65, HN58C66, HN58C256, HN58C256A, HN58C1001,

___EEPROM-INTEL
i2816, i2816A, i28C16, i2817A, i28C17, i2864A, i28C64, i28HC64, i28F256A, i28F256,
i28F512, i28F010, i28F020, i28F040, i28F001BX-T, i28F001BX-B, N82802AA*32PLCC, N82802AB*32PLCC,
N82802AC*32PLCC,

___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, M5M28F102P, 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, M28F102, M28F1001, M28F201,

___EEPROM-ST
M50FW002*32PLCC, M50FW040*32PLCC, M50FW080*32PLCC, M29F001B, M29F001T, M29F002B,
M29F002T, M29W001B, M29W001T, M29W002B, M29W002T,

___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, SST49LF002, SST49LF002A, SST49LF003, SST49LF003A,
 SST49LF004, SST49LF004A, SST49LF008, SST49LF008A, SST49LF002B, SST49LF003B, SST49LF004B,
 SST49LF020, SST49LF020A, SST49LF020?, SST49LF030A, SST49LF040, SST49LF040b, SST49LF080A,
 ___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, TMS29F259, 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,
 ___EEPROM-PMC
 PM37VF512, PM37VF010, PM37VF020, PM29F002, PM29F004, PM29LV002, PM29LV004, PM39LV512,
 PM39LV010, PM39LV020, PM39LV040, PM49FL002, PM49FL004,
 ___EEPROM-PTC
 PT28C010, PT28C020,
 ___MPU-AMD
 87C51, 87C521, 87C541,
 ___MPU-ATMEL
 AT80F51, AT80F52, AT87F51, AT87F52, AT87F55WD, AT87F51RC, AT89C51, AT89LV51, AT89C52,
 AT89LV52, AT89C55, AT89LV55, AT89C55WD, AT89C51RC, AT89S51, AT89LS51, AT89S52, AT89LS52,
 AT89C1051, AT89LV1051, AT89C2051, AT89LV2051, AT89C4051, AT89LV4051, AT89S8252, AT89LS8252,
 AT89S8252, AT89LS8252, AT89S8253, AT89LS8253, AT89S53, AT89LS53, T89C51RB2, T89C51RC2,
 T89C51RD2, AT89C51RB2, AT89C51EB2, AT89C51LB2, AT89C51RC2, AT89C51EC2, AT89C51IC2,
 AT89C51RD2, AT89C51ED2, AT89C51ID2, AT89S54, AT89S58, AT89S64, AT90S1200, AT90S2313,
 AT90S4414, AT90LS4414, AT90S8515, AT90LS8515, AT90S4434, AT90S8535, AT90LS8535, AT90S4434,
 AT90LS4434, AT90S2333, AT90S4433, ATTINY11(Hi), ATTINY12(Hi), ATTINY13(Serial), ATTINY15L(Hi),
 ATTINY25(Serial), ATTINY45(Serial), ATTINY45(Serial), ATTINY26, ATTINY26L, ATTINY28L,
 ATTINY28V, ATTINY2313(DIP20), ATTINY2313V(DIP20), ATTINY2313, ATMEGA8, ATMEGA8L, ATMEGA16,
 ATMEGA16L, ATMEGA8535, ATMEGA8535L, ATMEGA8515, ATMEGA8515L, ATMEGA32, ATMEGA32L,

ATMEGA48*PDIP28, ATMEGA88*PDIP28, ATMEGA88P*PDIP28, ATMEGA88PA*PDIP28, ATMEGA_ALL,
 ATMEGA168*PDIP28, ATMEGA328*PDIP28, ATMEGA328V*PDIP28, ATMEGA48V*PDIP28, ATMEGA88V*PDIP28,
 ATMEGA168V*PDIP28, ATMEGA_ALL, ATMEGA162*PDIP40, ATMEGA164*PDIP40, ATMEGA162*P44,
 ATMEGA164*P44, ATMEGA162*PDIP40, ATMEGA164*PDIP40, ATMEGA161, ATMEGA161L, ATMEGA162,
 ATMEGA162L, ATMEGA162V, ATMEGA162U, ATMEGA163, ATMEGA163L, AT90S2323, AT90LS2323,
 AT90S2343, AT90LS2343,
 ___MPU-DALLAS
 DS87C520, DS89C420, DS89C430, DS89C440, DS89C450,
 ___MPU-SST
 SST89C54, SST89C58, SST89F54, SST89F58, SST89E554RC, SST89E564RD, SST89V554RC, SST89V564RD,
 SST89E52RD, SST89E54RD, SST89E58RD, SST89E516RD, SST89E52RD2, SST89E54RD2, SST89E58RD2,
 SST89E516RD2, SST89V52RD, SST89V54RD, SST89V58RD, SST89V516RD, SST89V52RD2, SST89V54RD2,
 SST89V58RD2, SST89V516RD2,
 ___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+, STC89C518RD+, STC89C519RD+, STC89C511RD+, STC89C512RD+, STC89C513RD+,
 STC89C514RD+, STC89C515RD+, STC89C516RD+, STC89C517RD+, STC89C518RD+, STC89C519RD+,
 STC89C510RD+, STC89C511RD+, STC89C512RD+, STC89C513RD+, STC89C514RD+, STC89C515RD+,
 ___MPU-STC_2007
 STC89C51RC, STC89C52RC, STC89C53RC, STC89C54RD+, STC89C58RD+, STC89C516RD+, STC89C58AD,
 STC89C516AD, STC89C516X2, STC89LE51RC, STC89LE52RC, STC89LE53RC, STC89LE54RD+, STC89LE58RD+,
 STC89LE516RD+, 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
 STK6033BD1G (DIP40-16K), STK6033BS0G (SOP20-16K), STK6031 (DIP40-64K), STK6032 (DIP40-64K),
 STK6052 (as,
 ___MPU-MEGAWIN
 MPC89E51A, MPC89E52A, MPC89E53A, MPC89E54A, MPC89E58A, MPC89E515A, MPC89E516A, MPC89L51A,
 MPC89L52A, MPC89L53A, MPC89L54A, MPC89L58A, MPC89L516A, MPC82E52AE (DIP20), MPC82E52AS (SOP20),
 MPC82E52AT (TSSOP20), MPC82L52AE (DIP20), MPC82L52AS (SOP20), MPC82L52AT (TSSOP20), MPC82E54AE (DIP20),
 MPC82E54AE2 (DIP28), MPC82E54AP (PLCC32), MPC82E54AE (SOP20), MPC82E54AS2 (SOP28), MPC82E54AS3 (SSOP28),
 MPC82E54AT (TSSOP20), MPC82E54AT2 (TSOP28), MPC82L54AE (DIP20), MPC82L54AE2 (DIP28),
 MPC82L54AP (PLCC32), MPC82L54AE (SOP20), MPC82L54AS2 (SOP28), MPC82L54AS3 (SSOP28), MPC82L54AT (TSSOP20),
 MPC82L54AT2 (TSOP28),
 ___MPU-SYNCMOS

SM2952, SM2958, SM2964, SM2965, SM8951A, SM8952A, SM8951B, SM8952B, SM8954, SM8958,
SM89516, SM89516C, SM89516L, SM8954A, SM8958A, SM89516A, SSU7301, SM7908, SM79108,
SM89516R1, SM7964, SM79164, SM5964C, SM5964A, SM5964L, SM59264, SM59128, SM894051,
SM59D03G2C, SM59D03G2L, SM59D04G2C, SM59D04G2L, SM59R05A5C, SM59R09A5, SM59R05A5L, SM59R09A5,
SM59R09A5C, SM59R09A5L, SM59R09A5, SM59R16A5C, SM59R09A5, SM59R16A5L, SM59R09A5,

___MPU-LG

GMS97C51, GMS97C52, GMS97C54, GMS97C58, GMS97C1051, GMS97C2051,

___MPU-INTEL

i87C51, i87C52, i87C54, i87C58, i87C51FA, i87C51FB, i87C51FC, i87LC51FA, i87LC51FB,
i87LC51FC, i87C51RA+, i87C51RB+, i87C51RC+, i87C51RD+, i87LC51RA+, i87LC51RB+, i87LC51RC+,
i87LC51RD+,

___MPU-PHILIPS

P87C51, P87C52, P87C54, P87C58, P87C51X2, P87C52X2, P87C54X2, P87C58X2, P87C51FA,
P87C51FB, P87C51FC, P87LC51FA, P87LC51FB, P87LC51FC, P87C51RA+, P87C51RB+, P87C51RC+,
P87C51RD+, P87LC51RA+, P87LC51RB+, P87LC51RC+, P87LC51RD+, P87C591, P89C51Uxxx, P89C52Uxxx,
P89C54Uxxx, P89C58Uxxx, P89C51Bx, P89C52Bx, P89C54Bx, P89C58Bx, P89C51X2, P89C52X2,
P89C54X2, P89C58X2, P89C51RA+, P89C51RB+, P89C51RC+, P89C51RD+, P89C51RA2Hxx, P89C51RB2Hxx,
P89C51RC2Hxx, P89C51RD2Hxx, P89C51RA2B, P89C51RB2B, P89C51RC2B, P89C51RD2B, P89C51RA2F,
P89C51RB2F, P89C51RC2F, P89C51RD2F, P89C60X2, P89C61X2, P89C660, P89C662, P89C664,
P89C668, P87LPC759, P87LPC760, P87LPC761, P87LPC762, P87LPC764, P87LPC767, P87LPC768,
P87LPC769, P89LPC901, P89LPC902, P89LPC903, P89LPC906, P89LPC907, P89LPC908, P89LPC9107,
P89LPC912, P89LPC913, P89LPC914, P89LPC915, P89LPC916, P89LPC917, P89LPC920, P89LPC921,
P89LPC922, P89LPC9221, P89LPC924, P89LPC925, P89LPC930, P89LPC931, P89LPC932, P89LPC932A1,
P89LPC933, P89LPC934, P89LPC935, P89LPC936, P89LPC938, P89V51RB2, P89V51RC2, P89V51RD2,
P89LV51RB2, P89LV51RC2, P89LV51RD2,

___MPU-WINBOND

W78E51, W78E51B, W78LE51, W78E51C, W78E051C, W78LE51C, W78L051C, W78E52, W78E52B,
W78LE52, W78E52C, W78E052C, W78LE52C, W78L052C, W78E54, W78E54B, W78E054C, W78LE54,
W78E54C, W78E054C, W78L054C, W78E58, W78E58B, W78E058, W78E058B, W78LE58, W78E516B,
W78LE516, W78E51D, W78E52D, W78E54D, W78E051D, W78E052D, W78E054D, W78E58D, W78E516D,
W78E058D, W78E0516D, W78ERD2, W781RD2, W78E62, W78E65, W78L065, W78E365, W78LE365,
W78E858, W77E54, W77E58, W77LE58, W77E516, W77LE516, W77E532, W79E532, W79E632, W79E201,
W79E802ADG (DIP20), W79E802ASG (SOP20), W79E803ADG (DIP20), W79E803ASG (SOP20), W79E804ADG (DIP20),
W79E804ASG (SOP20), W79E821A (20PIN), W79E822A (20PIN), W79E823A (20PIN), W79E824A (20PIN),
W79E825A (20PIN), W79E2051 (20PIN), W79E4051 (20PIN), W79E2051-DU (20PIN), W79E4051-DU (20PIN),
W79E2051-SU (20PIN), W79E4051-SU (20PIN), W79E8213 (DIP20ICP), N79E352 (ICP), W79E821SP,

___MPU-MICROCHIP

PIC12C508, PIC12C508A, PIC12C508B, PIC12C509, PIC12C509A, PIC12C509B, PIC12CE518,
PIC12CE519, PIC12F508, PIC12F509, PIC12F510, PIC12C671, PIC12C672, PIC12CE673, PIC12CE674,
PIC12F508, PIC12F509, PIC12F510, PIC12F629, PIC12F675, 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-LP,
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, PIC16C64A, PIC16C64B, PIC16C65, PIC16C74, PIC16C65A,
 PIC16C65B, PIC16C74, PIC16C74A, PIC16C74B, PIC16C71, PIC16C71A, PIC16C71B, PIC16C711,
 PIC16C712, PIC16C61, PIC16C710, PIC16C620, PIC16C621, PIC16C622, PIC16C715, PIC16C716,
 PIC16C62, PIC16C62A, PIC16C62B, PIC16C63, PIC16C63A, PIC16C63B, PIC16C73, PIC16C73A,
 PIC16C73B, PIC16C773, PIC16C66, PIC16C67, PIC16C72, PIC16C72A, PIC16C72B, PIC16C76,
 PIC16C76A, PIC16C76B, PIC16C77, PIC16C77A, PIC16C77B, PIC16C641, PIC16C642, PIC16C661,
 PIC16C662, PIC16C554, PIC16C556, PIC16C558, PIC16C717, PIC16F627, PIC16F628, PIC16LF627,
 PIC16LF628, PIC16F627A, PIC16F628A, PIC16F648A, PIC16LF627A, PIC16LF628A, PIC16LF648A,
 PIC16F716, PIC16F72, PIC16F73, PIC16F74, PIC16F76, PIC16F77, PIC16F737, PIC16F747,
 PIC16F767, PIC16F777, PIC16F83, PIC16CR83, PIC16C84, PIC16CR84, PIC16F84, PIC16F84A,
 PIC16F870, PIC16F871, PIC16F872, PIC16F873, PIC16F874, PIC16F876, PIC16F877, PIC16F873A,
 PIC16F874A, PIC16F876A, PIC16F877A, PIC16F818, PIC16F819, PIC16F882, PIC16F883, PIC16F886,
 PIC16F884, PIC16F887, PIC16F913, PIC16F916, PIC16F914, PIC16F917, PIC16F722, PIC16F723,
 PIC16F726, PIC16F724, PIC16F727, PIC16LF722, PIC16LF723, PIC16LF726, PIC16LF724,
 PIC16LF727,
 ___MPU-MICCON
 MDT10P62, MDT10P72, 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, MDT2005E, MDT2010, MDT2010E, MDT2015, MDT2020, MDT2020B, MDT2030,
 MDT10P05, MDT10P20, MDT2051,
 ___MPU-ELAN
 EM78P156E, EM78P256E, EM78P456E, EM78P247SA, EM78P447SA, EM78P447SB,
 ___MPU-VERSACHIP
 V87C54, V87C58,
 ___MPU-CRESCENTE
 CRSOP100, CRSOP200,
 ___MPU-TOPTEK
 T81P54, T80P54, T80P57, T80P65, T52,
 ___MPU-ISSI
 IS89C51A, IS89C52A, IS89LV51A, IS89LV52A,
 ___MPU-TOPRO
 TP2804H, TP2804L, TP2808H, TP2808L, H5813 (DIP20), H5813 (SOP20), H5815 (DIP20), H5815 (SOP),
 ___MPU-STC
 STC10F02 (40pin), STC10ISP, STC10F04 (40pin), STC10ISP, STC10F06 (40pin), STC10ISP,
 STC10F08 (40pin), STC10ISP,
 STC10F10 (40pin), STC10ISP, STC10F12 (40pin), STC10ISP, STC10L02 (40pin), STC10ISP,
 STC10L04 (40pin), STC10ISP,
 STC10L06 (40pin), STC10ISP, STC10L08 (40pin), STC10ISP, STC10L10 (40pin), STC10ISP,
 STC10L12 (40pin), STC10ISP,
 STC11F01 (20pin), STC11F02ISP, STC11F02 (20pin), STC11F02ISP, STC11F03 (20pin), STC11F02ISP,
 STC11F04 (20pin), STC11F02ISP, STC11F05 (20pin), STC11F02ISP, STC11L01 (20pin), STC11F02ISP,
 STC11L02 (20pin), STC11F02ISP, STC11L03 (20pin), STC11F02ISP, STC11L04 (20pin), STC11F02ISP,

STC90LE512RD+ (40pin), STC89C52ISP, STC90LE513RD+ (40pin), STC89C52ISP, STC90LE514RD+ (40pin), STC89C52ISP, STC90LE516RD+ (40pin), STC89C52ISP,
 ___MPU-SNOWEALTH
 SH89F52D, SH88F1SP, SH88F54D, SH88F1SP, SH88F516D, SH88F1SP, SH88F2051, SH88F1SP, SH88F4051, SH88F1SP,
 ___MPU-future
 SM39R12A2 (24pin), SM39R12A2ICP, SM39R12A2 (20pin), SM39R12A2ICP, SM39R12A2 (16pin), SM39R12A2ICP,
 SM39R12A2 (28pin), SM39R12A2ICP, SM39R16A2 (28pin), SM39R12A2ICP, SM59R05G6 (40pin), SM39R12A2ICP,
 SM39R2051 (20pin), SM39R4051 (20pin),
 ___Serial-???
 93C46 (128x8), P93, 93C56 (256x8), P93, 93C66 (512x8), P93, 93C57 (256x8), P93, 93C86 (2Kx8), P93,
 93C76 (1Kx8), P93, 93C46 (64x16), P93X16, 93C56 (128x16), P93X16, 93C66 (236x16), P93X16,
 93C76 (512x16), P93X16, 93C86 (1Kx16), P93X16, 24C01A (128x8), P24, 24C02 (256x8), P24, 24C04 (512x8), P24,
 24C08 (1KX8), P24, 24C16 (2KX8), P24, 24C32 (4KX8), P24, 24C64 (8KX8), P24, 24C128 (16KX8), P24,
 24C256 (32KX8), P24, 24C512 (64KX8), P24,
 ___Serial-ARM
 AK93C46 (128x8), AK93C56 (256x8), AK93C66 (512x8), P93, AK6420AF (128x16), AK6440AF (256x16),
 AK6480AF (512x16), AK6480CF (512x16), AK6420B (128x16), AK64SCI, AK6440B (256x16), AK64SCI,
 AK6480B (512x16), AK64SCI, AK6420AM (128x16), AK64SCI, AK6440AM (256x16), AK64SCI, AK6480AM (512x16), AK64SCI,
 AK6480CL (512x16), AK64SCI, AK6481CH (512x16), AK64SCI, AK6481CM (512x16), AK64SCI, AK6416A,
 AK6416AM (1024x16), AK64SCI, AK6416CM (1024x16), AK64SCI, AK6416CH (1024x16), AK64SCI,
 AK93C46 (64x16), P93X16, AK93C56 (128x16), P93X16, AK93C66 (236x16), P93X16, AK93C86 (2Kx8), P93,
 AK93C86 (1Kx16), P93X16,
 ___Serial-ONSEMI
 CAT64LC20W (128x16), AK64SCI, CAT64LC20J (128x16), AK64SCI, CAT64LC40W (256x16), AK64SCI,
 CAT64LC40J (256x16), AK64SCI, CAT64LC80W (512x16), AK64SCI, CAT64LC80J (512x16), AK64SCI,
 CAT64LC20 (P/L/S/V/U/Y), CAT64LC40 (P/L/S/V/U/Y), CAT64LC80 (P/L/S/V/U/Y),
 ___Serial-ATMEL
 AT24C01, AT24C02, AT24C02A, AT24C04, AT24C04A, AT24C08, AT24C08A, AT24RF08C, AT24C16,
 AT24C16A, AT24C32, AT24C64, AT24C128, AT24C256, AT24C512, AT93C46 (128x8), P93, AT93C56 (256x8), P93,
 AT93C66 (512x8), P93, AT93C86 (2Kx8), P93, AT93C46 (64x16), P93X16, AT93C56 (128x16), P93X16,
 AT93C66 (236x16), P93X16, AT93C86 (1Kx16), P93X16, AT25010, AT25020, AT25040, AT25080,
 AT25160, AT25320, AT25640, AT25128, AT25256, AT25010A, AT25020A, AT25040A, AT25080A,
 AT25160A, AT25320A, AT25640A, AT25128A, AT25256A, AT25F512, AT25F1024, AT25F1024A, ACTRANS25,
 AT25F2048, AT25F4096, 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 (128x8), P93, AF93BC56 (256x8), P93, AF93BC66 (512x8), P93, AF93BC86 (2Kx8), P93,
 AF93BC46 (64x16), P93X16, AF93BC56 (128x16), P93X16, AF93BC66 (236x16), P93X16, AF93BC86 (1Kx16), P93X16,
 ___Serial-MXIC
 MX25L512 (8PIN), MX25L10xx (8PIN), MX25L20xx (8PIN), MX25L40xx (8PIN), MX25L80xx (8PIN),
 MX25L16xx (8PIN), MX25L32xx (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 (128x8), P93, 93C46A (128x8), 93C46H (128x8), 93C46I (128x8),
 93C46 (64x16), P93X16, 93C56 (128x16), P93X16, 93C66 (236x16), P93X16,
 ___Serial-EXEL
 XL93C46 (128x8), XL93C56 (128x8), XL93C66 (128x8), XL93C546, X93C46 (64x16), P93X16, X93C56 (128x16), P93X16,
 X93C66 (236x16), P93X16, X93C86 (2kx8), P93, X93C86 (1Kx16), P93X16,
 ___Serial-FAIRCHILD
 FM24C02, FM24C02W, FM24C03, FM24C04, FM24C04W, FM24C08, FM24C08W, FM24C16, FM24C16W,
 FM93C46 (128x8), FM93C56 (128x8), FM93C66 (128x8), FM93C46 (64x16), P93X16, FM93C56 (128x16), P93X16,
 FM93C66 (236x16), P93X16,
 ___Serial-HYUNDAI
 HY24C02, HY24C02W, HY24C04, HY24C04W, HY24C08, HY24C08W, HY24C16, HY24C16W, HY93C46 (128x8),
 HY93C46 (256x8), HY93C46 (64x16), P93X16, HY93C56 (128x16), P93X16, HY93C66 (236x16), P93X16,
 ___Serial-ICT
 24C02, 24C02W, 24C04, 24C04W, 24C08, 24C08W, 24C16, 24C16W, 93C46, 93C46A (128x8),
 93CX46 (128x8), 93C56, 93CX56 (256x8), 93C66, 93CX66 (512x8), 93C46, 93C56, 93C66,
 ___Serial-GIANTEC
 GT24C02 (256x8), P24, GT24C04, GT24C08, GT24C16, GT24C32, GT24C64, GT24C128, GT24C256,
 ___Serial-ISSI
 24C02 (256x8), P24, 24C04, 24C08, 24C16, 24C32, 24C64, 24C128, 24C256, 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 (128x8), 93C56 (256x8), P93, 93LC56, 93C66, 93LC66 (512x8), P93,
 93C86, 93C46 (128x8), 93C46, 93C56, 93C66, 93C86, 93C46A, 93C46B, 93C46C, 93C46C,

93C56A, 93C56B, 93C56C, 93C56C, 93C66A, 93C66B, 93C66C, 93C66C, 93C86A, 93C86B, 93C86C, 93C86C, 93LC46A, 93LC46B, 93LC46C, 93LC46C, 93LC46C, 93LC56A, 93LC56B, 93LC56C, 93LC56C, 93LC66A, 93LC66B, 93LC66C, 93LC66C, 93LC86A, 93LC86B, 93LC86C, 93LC86C, 93AA46A, 93AA46B, 93AA46C, 93AA46C, 93AA56A, 93AA56B (128x16), P93X16, 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, NMC9346 (128x8), P93, NMC93C46 (128x8), P93, NMC93CS46 (128x8), P93, NMC93C56 (256x8), P93, NMC93CS56, NMC93C66, NMC93CS66, NM93C46 (64x16), P93X16, NM93C56 (128x16), P93X16, NM93C66 (236x16), P93X16, NM59C11, NM24C02/L, NM24C04/L, NM24C08, NM24C16,

___Serial-ROHM

BR24C01A (128x8), BR24C02 (256x8), P24, BR24C04 (512x8), P24, BR24C08 (1Kx8), P24, BR24C16 (2KX8), P24, BR24C32 (4KX8), P24, BR24C64 (8KX8), P24, BR93C46 (128x8), BR93C56 (256x8), P93, BR93C66 (512x8), P93, BR93C46 (64x16), P93X16, BR93C56 (128x16), P93X16, BR93C66 (256x16), P93X16, BR93LC46 (128x8), BR93LC56 (256x8), P93, BR93LC66 (512x8), P93, BR93LC46 (64x16), P93X16, BR93LC56 (128x16), P93X16, BR93LC66 (256x16), P93X16, BR9010AF, BR9020AF, BR9040AF, BR9080AF, BR9080CF, BR9010B (128x16), BR90, BR9020B (128x16), BR90, BR9040B (256x16), BR90, BR9080B (512x16), BR90, BR9020AM (128x16), BR90, BR9040AM (256x16), BR90, BR9080AM (512x16), BR90, BR9080CL (512x16), BR90, BR9016A (1024x16), BR90, BR9016AM (1024x16), BR90, BR9016CM (1024x16), BR90, BR9016CH (1024x16), BR90,

___Serial-SAMSUNG

KM24C02, KM24C04, KM24C08, KM24C16, KM93C46 (128x8), P93, KM93C46V (128x8), P93, KM93C56 (256x8), P93, KM93CS56 (256x8), P93, KM93C57 (256x8), P93, KM93C66 (512x8), P93, KM93CS66 (512x8), P93, KM93C67 (512x8), P93,

___Serial-ST

24C01, 24C02A, ST24C04, ST24C08, ST24C16, M93C46A (128x8), M93C56 (256x8), P93, M93C66 (512x8), P93, M93C57 (128x16), P93, M93C76 (512x16), P93X16, M93C86 (2k, MST93C46 (64x16), P93X16, M93C56 (128x16), P93X16, M93C66 (256x16), P93X16, M93C76 (512x16), P93X16, M93C86 (1k, 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 (128x8), ST93C56 (256x8), P93, ST93C66 (512x8), P93, ST93C46 (64x16), P93X16, ST93C56 (128x16), P93X16, ST93C66 (256x16), P93X16, ST93C57 (128x16), P93, ST93C86 (2Kx8), P93, ST93C86 (1Kx16), P93X16,

___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 (64x16), P93X16, X93C56 (128x16), P93X16, X93C66 (236x16), P93X16, X93C86 (2Kx8), P93, X93C86 (1Kx16), P93X16, 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, P24, Y54LC64, YMC54XX, Y93LC46A (64x16), P93X16, Y93LC46A (256x16), P93X16, Y93LC46A (128x8), P93,
 Y93LC66A (512x8), P93,
 ___Serial-PMC
 Y24LC02A, Y54LC64, Y93LC46A, Y93LC46A, Y93LC46A, Y93LC66A,
 ___Serial-MITSUBISHI
 M6M80021P (8), M6M80021FP (10), M6M80041P (8), M6M80041FP (10), S-29255A (SPIN), M6M80021,
 S-29355A (SPIN), M6M80021,
 ___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, GAL16V8C, 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,
 ___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-BDTC
 HK1225, HK1235, HK1245, HK1265, HK1255,
 ___TEST-Standard
 ICTEST (附加功能, 只供参考): 74xxx, 40xxx, 45xxx,