

# TOP2013

## TOP 通用編程器

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



### 產品說明

#### TOP2013 編程器

TOP2013 型編程器具有體積小巧，功耗低，可靠性高的特點，是專為開發單片機和燒寫各類記憶體而設計的通用機型。採用 USB 通用串口與 PC 機連接通信，支援 xp/win7/win8/win10，軟體升級靈活。體積小，無需外接電源。

TOP2013 型編程器與前一代相比：功耗更小；增加 VPP 保護；增加故障自檢；杜絕電腦重啓動。

#### 一、特點

- 可支持 2.5~6.5V 的器件；
- 既可以使用 USB 介面電源，又可以外接 5V 電源；
- 通過 USB 通用串口與 PC 機連接，傳送速率 12MHz/s；
- 即適合電池供電的筆記本電腦使用，也適合臺式機使用；
- 完善的過電流保護,有效地保護編程器和器件不受損害；
- USB 負載能力檢測（0 至 10 級）；
- 全插腳檢查，可以檢查出任意一個插腳的的接觸狀態；
- 40 針進口萬能鎖緊插座；
- 在 WINDOWS XP/WIN7/WIN8/WIN10 下運行；
- 塑膠機殼，體積小，重量輕，功耗低；
- 可自動探測廠家和型號；
- 單片機定時，編程速度與電腦無關；

## 二、性能和規格

1. 軟體: TOPWIN 7/8
2. 體積: 115 x 90 x 27
3. 重量: 175g
4. 功率: < 2.5w (5v/500mA)
5. 鎖緊座: 40 Pin 進口優質插座(可更換)

## 三、套件清單

1. TOP2013 主機一件；
2. 標準 USB 1.1 (相容 USB2.0) 連接電纜線一根；
3. 《TOP2013 通用編程器》說明書一本；
4. 《TopWin 軟體操作手冊》一本；
5. 配套的 TopWin 軟體光碟一張。

## 支援器件列表

2716-12.7V, 2716-21V, 2716-25V, 2732-12.7V, 2732-21V, 2732-25V, 2764-12.7V, 27C64-12.7V, 2764-21V, 27128-12.7V, 27C128-12.7V, 27128-21V, 27C128-21V, 27256-12.7V, 27C256-12.7V, 27512-12.7V, 27C512-12.7V, 27513-12.7V, 27C513-12.7V, 27C010-12.7V, 27C020-12.7V, 27C040-12.7V, 27C080-12.7V, 27C801-12.7V,

### \_\_\_\_ EPROM-AMD

Am2716-12.7V, Am2716-21V, Am2716-25V, Am2732-12.7V, Am2732-21V, Am2732-25V, Am2764-21V, Am2764A-12.5V, Am27C64-12.5V, Am27128-21V, Am27128A-12.5V, Am27C128-12.7V, 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, AT2716-21V, AT2716-25V, AT2732-12.7V, AT2732-21V, AT2732-25V, AT27HC64-12.7V, AT27HC64L-12.7V, AT27C128-12.7V, AT27C256-12.7V, AT27HC256-12.7V, AT27/HC256-12.7V, 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, CAT27C256-12.7V, CAT27512-12.7V, CAT27C010-12.7V,

### \_\_\_\_ EPROM-FUJITSU

MBM2716-12.7V, MBM2716-21V, MBM2716-25V, MBM2732-12.7V, 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, 2716-21V, 2716-25V, 2732-12.7V, 2732-21V, 2732-25V, 2764-21V, 27C64-21V, 2764A-12.7V, 27C6A-12.7V, 27128-21V, 27128A-12.7V, 27C128-12.7V, 27256, 27C256, 27256HV-21V, 27512, 27C512, 27512HV-21V, 27513, 27C513, 27010, 27C010, 27011, 27C011, 27101, 27C101,

27C020, 27C040, 27C080,

\_\_\_ EPROM-HITACHI

HN27C64-21V, HN27128AG-12.7V, HN27128P-21V, HN27/C256, HN27/C512, HN27C101, HN27C301,

\_\_\_ 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, 27C010, 27C020,

\_\_\_ EPROM-ICT

27CX256, 27CX128, 27CX256, 27CX512, 27CX010, 27CX020,

\_\_\_ EPROM-INTEL

i2716-12.7V, i2716-21V, i2716-25V, i2732-12.7V, 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, i27C010, i27010, i27010A, i27020, i27C040, i27C080,

\_\_\_ EPROM-MATSUSHITA

27C256, 27C128, 27C256, 27C512, 27C010, 27C020,

\_\_\_ EPROM-MICROCHIP

27C64-12.7V, 27C128-12.7V, 27HC256, 27C512, 27513, 27C513, 27C010, 27C020,

\_\_\_ EPROM-MITSUBISHI

M5L2764-21V, M5L27C128-12.7V, M5M27128/K-21V, M5M27K-12.7V, M5MC256-12.7V, M5M27C512,

M5M27K512, M5M27C100, M5M27C101, M5M27C201, M5M27C401,

\_\_\_ EPROM-MXIC

MX2716-12.7V, MX2716-21V, MX2716-25V, MX2732-12.7V, MX2732-21V, MX2732-25V, MX27C256-12.7V,

MX27C512-12.7V, MX27C1000-12.7V,

\_\_\_ EPROM-NEC

D2716-12.7V, D2716-21V, D2716-25V, D2732-12.7V, D2732-21V, D2732-25V, D2764-21V, D27C64-12.7V, D27128-21V, D27/C256-21V, D27C256A-12.7V, D27C512, D27C1000, D27C1000A, D27C1001, D27C1001A, D27C2001, D27C4001,

\_\_\_ EPROM-NS

NM2716-12.7V, NM2716-21V, NM2716-25V, NM2732-12.7V, NM2732-21V, NM2732-25V, NM27LC64-12.7V,

NM27C256-12.7V, NM27LC256-12.7V, NMC87C257-12.7V, NM27LC512, NM27LV512, NM27P512, NMC27C64, NM27C128/B-12.7V, NMC27C128/B-12.7V, NMC27CP128-12.7V, NMC27C256-12.7V, NMC27C256B-12.7V, NM27C512, NMC27C512, NMC27C512A, NMC27C010, NMC27C020,

\_\_\_ EPROM-OKI

MSM2716-12.7V, MSM2716-21V, MSM2716-25V, MSM2732-12.7V, MSM2732-21V, MSM2732-25V, MSM2764A-12.7V, MSM2764AS-21V, MSM27128A-12.7V, MSM27128AS-21V, MSM27256AS-12.7V, MSM27512AS, MSM271000,

\_\_\_ EPROM-RICOH

27C64-21V, 27C256-12.7V,

\_\_\_ EPROM-SAMSUNG

KM23C4100,

\_\_\_ EPROM-SEEQ

DQ2764-21V, DQ27128-21V, DQ27C256-12.7V,

\_\_\_ EPROM-SGS\_THOMSON

M27128A-12.7V, M27256, M27CC512, M27C1000, M27C1001, M27C2001, M27C4001,

\_\_\_ EPROM-SIGNETICS

27C64A, 27C128, 27C512,

\_\_\_ EPROM-SMOS

27C64H, 27128H, 27C256H,

\_\_\_ EPROM-SONY

CXK27C256, CXK27C512,

\_\_\_ EPROM-TI

TMS2564-25V, TMS2764-21V, TMS27C64-12.7V, TMS27PC64-12.7V, TMS27128-21V,

TMS27C128-12.7V,

TMS27CP128-12.7V, TMS27C256, TMS27PC256, TMS87257, TMS27C512, TMS27CP512,

TMS27C010,

TMS27PC010, TMS27C020, TMS27PC020, TMS27C040, TMS27PC040,

\_\_\_ EPROM-TOSHIBA

TMM2716-25V, TMM2732-21V, TMM2764-21V, TMM2764A-12.7V, TMM27128-21V, TMM27128A,  
TMM27256A,

TMM27256AD, TMM27512, TC541000, TC541001, TC571000, TC571001, TC532000, TC572000,  
TC534000, TC574000,

\_\_\_ EPROM-VLSI

VT2716-25V, VT2732-21V, VT27C64, VT27C128, VT27C256, VT27C512,

\_\_\_ EPROM-WSI

WS2716-25V, WS2732-21V, WS27C512F, WS27C64F, WS57C64F, WS27C128F, WS57C128F,

WS57C128FB,

WS27C256F, WS27C256L, WS57C256F, WS57C256FB, WS27C512L, WS27C010F, WS27C010L,

WS57C65,

WS57C257, WS57C51C, WS57C71C,

\_\_\_ EEPROM-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,

\_\_\_ EEPROM-AMIC

A29512, A29010, A29020, A29040, A29L010, A29L020, A29L040, A29001, A290011, A29002,

A290021, A49LF020, A49LF040,

\_\_\_EEPROM-ASD

AE29F1008, AE29F2008, AE29F4008, AE49F1008, AE49F2008,

\_\_\_EEPROM-MACRONIX

MX28F1000, MX28F2000, MX29F010, MX29F020, MX29F040, MX29F001T/B, MX29F002T/B,  
MX29F004T/B,

\_\_\_EEPROM-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, 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,

AT49LL080\*32PLCC, AT49F010, AT49F020, AT49F040, AT49LV010, AT49LV020, AT49LV040,  
AT49BV/LV001, AT49BV/LV002, AT49BV/LV004, AT49LW040\*32PLCC, AT49LW080\*32PLCC,  
AT49LL020\*32PLCC,

AT49LL040\*32PLCC, AT49LL080\*32PLCC,

\_\_\_EEPROM-ACTRANS

AC39LV512, AC39LV010, AC39LV020, AC39LV040,

\_\_\_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-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, 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, M29F001B, M29F001T, M29F002B, M29F002T,  
M29W001B,

M29W001T, M29W002B, M29W002T, 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, AT89C51IB2, 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(12V), ATTINY26L(12V),  
ATTINY28L, ATTINY28V, ATTINY2313(DIP20), ATTINY2313V(DIP20), ATMEGA8, ATMEGA8L,  
ATMEGA8A,

ATMEGA16, ATMEGA16L, ATMEGA16A, ATMEGA8535, ATMEGA8535L, ATMEGA8515,  
ATMEGA8515L,

ATMEGA32, ATMEGA32L, ATMEGA48\*PDIP28, ATMEGA88\*PDIP28, ATMEGA88P\*PDIP28,  
ATMEGA88PA\*PDIP28,

ATMEGA168\*PDIP28, ATMEGA328\*PDIP28, ATMEGA328V\*PDIP28, ATMEGA48V\*PDIP28,  
ATMEGA88V\*PDIP28,

ATMEGA168V\*PDIP28, ATMEGA162\*DIP40, ATMEGA164\*PDIP40, ATMEGA161, ATMEGA161L,  
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, PDK10C64(60k), PDK10C64(63k),

\_\_\_MPU-STK

STK6033BDIG(DIP40-16K), STK6033BSOG(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,

SM89S16R1, SM7964, SM79164, SM5964C, SM5964A, SM5964AL, SM59264, SM59128, SM894051,

SM59D03G2C, SM59D03G2L, SM59D04G2C, SM59D04G2L, SM59R01G1(DIP40),

SM59R02G1(DIP40),

SM894051, SM59R05A5C(DIP40), SM59R05A5L(DIP40), SM59R\_G6C(DIP40), SM59R\_G6L(DIP40),

SM59R16A5C(DIP40), SM59R16A5L(DIP40), SM59R05G6(DIP40), SM59R09G6(DIP40),

SM59R16G6(DIP40),

SM39R2051(20pin), SM39R4051(20pin), SM39R08A2(16pin), SM39R08A2(20pin),

SM39R08A2(24pin),

SM39R08A2(28pin), SM39R12A2(16pin), SM39R12A2(20pin), SM39R12A2(24pin),

SM39R12A2(28pin),

SM39R16A2(16pin), SM39R16A2(20pin), SM39R16A2(24pin), SM39R16A2(28pin),

SM39R05A3(10pin),

SM39R05A3(14pin), SM39R05A3(16pin), SM39R05A3(20pin), SM39R08A3(10pin),

SM39R08A3(14pin),

SM39R08A3(16pin), SM39R08A3(20pin), SM39R16A3(10pin), SM39R16A3(14pin),

SM39R16A3(16pin),

SM39R16A3(20pin), SM39R02G1(10pin), SM39R02G1(14pin), SM39R04G1(10pin),

SM39R04G1(14pin),

\_\_\_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, W78IRD2, 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),

N78E366(DIP40),

N79E815AS28, N79E815AT28, N79E814AS28, N79E814AT28, N79E815AS20, N79E815AT20,

N79E814AS20,

N79E814AT20, N79E8132AS16,

\_\_\_\_MPU-MICROCHIP

PIC12C508, PIC12C508A, PIC12C508B, PIC12C509, PIC12C509A, PIC12C509B, PIC12C518,

PIC12C519, 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,

PIC16F677-20PIN, PIC12F1822-8PIN, PIC16F1823-14PIN, PIC16F1824-14PIN, PIC16F1825-14PIN,

PIC16F1826-18PIN, PIC16F1827-18PIN, PIC16F1828-20PIN, PIC16F1829-20PIN, PIC12LF1822-8PIN,

PIC16LF1823-14PIN, PIC16LF1824-14PIN, PIC16LF1825-14PIN, PIC16LF1826-18PIN,

PIC16LF1827-18PIN,

PIC16LF1828-20PIN, PIC16LF1829-20PIN, PIC16F1933(28PIN), PIC16F1936(28PIN),

PIC16F1938(28PIN),

PIC16LF1933(28PIN), PIC16LF1936(28PIN), PIC16LF1938(28PIN), PIC16LF1902(28PIN),

PIC16LF1903(28PIN),

PIC16LF1904(28PIN), PIC16F1934(40PIN), PIC16F1937(40PIN), PIC16F1939(40PIN),

PIC16LF1934(40PIN),

PIC16LF1937(40PIN), PIC16LF1939(40PIN), PIC12F609(8PIN), PIC12F615(8PIN), PIC12F617(8PIN),

PIC16F610(14PIN), PIC16F616(14PIN), PIC12HV609(8PIN), PIC12HV615(8PIN),

PIC12HV617(8PIN),

PIC16HV610(14PIN), PIC16HV616(14PIN), 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, PIC16C64A, PIC16C64B, PIC16C65,

PIC16C774, PIC16C65A, PIC16C65B, PIC16C74, PIC16C74A, PIC16C74B, PIC16C71, PIC16C71A,

PIC16C71B, PIC16C711, PIC16C712, PIC16C61, PIC16C710, PIC16C620, PIC16C621, PIC16C622,

PIC16C715(18Pin), 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-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

EM78P153S, EM78P156E, EM78P256E, EM78P456E, EM78P247SA, EM78P247SB, EM78P447SA, EM78P447SB,

\_\_\_MPU-VERSACHIP

V87C54, V87C58,

\_\_\_MPU-CRESCENTEC

CR80P100, CR80P200,

\_\_\_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), STC10F04(40pin), STC10F06(40pin), STC10F08(40pin), STC10F10(40pin), STC10F12(40pin), STC10L02(40pin), STC10L04(40pin), STC10L06(40pin), STC10L08(40pin), STC10L10(40pin), STC10L12(40pin), STC11F01(20pin), STC11F02(20pin), STC11F03(20pin), STC11F04(20pin), STC11F05(20pin), STC11L01(20pin), STC11L02(20pin), STC11L03(20pin), STC11L04(20pin), STC11L05(20pin), STC11F08(40pin), STC11F16(40pin), STC11F20(40pin), STC11F32(40pin), STC11F40(40pin), STC11F48(40pin), STC11F52(40pin), STC11F56(40pin), STC11F60(40pin), STC11L08(40pin), STC11L16(40pin), STC11L20(40pin), STC11L32(40pin), STC11L40(40pin), STC11L48(40pin), STC11L52(40pin), STC11L56(40pin), STC11L60(40pin), STC12C5A08(40pin), STC12C5A16(40pin), STC12C5A32(40pin), STC12C5A40(40pin), STC12C5A48(40pin), STC12C5A52(40pin), STC12C5A56(40pin), STC12C5A60(40pin), STC12LE5A08(40pin), STC12LE5A16(40pin),

STC12LE5A32(40pin), STC12LE5A40(40pin), STC12LE5A48(40pin), STC12LE5A52(40pin),  
STC12LE5A56(40pin),  
STC12LE5A60(40pin), STC12C5201(20Pin), STC12C5202(20Pin), STC12C5203(20Pin),  
STC12C5204(20Pin),  
STC12C5205(20Pin), STC12C5206(20Pin), STC12CLE201(20Pin), STC12LE5202(20Pin),  
STC12LE5203(20Pin),  
STC12LE5204(20Pin), STC12LE5205(20Pin), STC12LE5206(20Pin), STC12C5401(20Pin),  
STC12C5402(20Pin),  
STC12C5404(20Pin), STC12C5406(20Pin), STC12C5408(20Pin), STC12C5410(20Pin),  
STC12C5412(20Pin),  
STC12LE01(20Pin), STC12LE02(20Pin), STC12LE04(20Pin), STC12LE06(20Pin), STC12LE08(20Pin),  
STC12LE10(20Pin), STC12LE12(20Pin), STC12C5601(20pin), STC12C5602(20pin),  
STC12C5603(20pin),  
STC12C5604(20pin), STC12C5605(20pin), STC12C5606(20pin), STC12C5608(20pin),  
STC12C5612(20pin),  
STC12C5616(20pin), STC12C5620(20pin), STC12C5624(20pin), STC12C5628(20pin),  
STC12C5630(20pin),  
STC12LE01(20pin), STC12LE02(20pin), STC12LE03(20pin), STC12LE04(20pin), STC12LE05(20pin),  
STC12LE06(20pin), STC12LE08(20pin), STC12LE12(20pin), STC12LE16(20pin), STC12LE20(20pin),  
STC12LE24(20pin), STC12LE28(20pin), STC12LE30(20pin), STC12C1052AD(20pin),  
STC12C2052AD(20pin),  
STC12C3052AD(20pin), STC12C4052AD(20pin), STC12C5052AD(20pin), STC12LE1052AD(20pin),  
STC12LE2052AD(20pin), STC12LE3052AD(20pin), STC12LE4052AD(20pin),  
STC12LE5052AD(20pin),  
STC12C1052(20pin), STC12C2052(20pin), STC12C3052(20pin), STC12C4052(20pin),  
STC12C5052(20pin),  
STC12LE1052(20pin), STC12LE2052(20pin), STC12LE3052(20pin), STC12LE4052(20pin),  
STC12LE5052(20pin),  
STC89C51RC(40pin), STC89C52RC(40pin), STC89C53RC(40pin), STC89C54RD+(40pin),  
STC89C55RD+(40pin),  
STC89C58RD+(40pin), STC89C516RD+(40pin), STC89LE51RC(40pin), STC89LE52RC(40pin),  
STC89LE53RC(40pin), STC89LE54RD+(40pin), STC89LE55RD+(40pin), STC89LE58RD+(40pin),  
STC89LE516RD+(40pin), STC90C51RC(40pin), STC90C52RC(40pin), STC90C53RC(40pin),  
STC90C06RC(40pin),  
STC90C07RC(40pin), STC90C10RC(40pin), STC90C12RC(40pin), STC90C51RD+(40pin),  
STC90C52RD+(40pin),  
STC90C54RD+(40pin), STC90C55RD+(40pin), STC90C58RD+(40pin), STC90C510RD+(40pin),  
STC90C512RD+(40pin), STC90C513RD+(40pin), STC90C514RD+(40pin), STC90C516RD+(40pin),  
STC90LE51RC(40pin), STC90LE52RC(40pin), STC90LE53RC(40pin), STC90LE06RC(40pin),  
STC90LE07RC(40pin),  
STC90LE10RC(40pin), STC90LE12RC(40pin), STC90LE51RD+(40pin), STC90LE52RD+(40pin),  
STC90LE54RD+(40pin), STC90LE55RD+(40pin), STC90LE58RD+(40pin), STC90LE510RD+(40pin),  
STC90LE512RD+(40pin), STC90LE513RD+(40pin), STC90LE514RD+(40pin),

STC90LE516RD+(40pin),

\_\_\_MPU-SINOWEALTH

SH89F52D, SH88F54D, SH88F516D, SH88F2051, SH88F4051,

\_\_\_MPU-future

\_\_\_Serial-???

93C46(128x8), 93C56(256x8), 93C66(512x8), 93C57(256x8), 93C86(2Kx8), 93C76(1Kx8),  
93C46(64x16), 93C56(128x16), 93C66(236x16), 93C76(512x16), 93C86(1Kx16), 24C01A(128x8),  
24LC01A(128x8), 24C02(256x8), 24LC02(256x8), 24C04(512x8), 24LC04(512x8), 24C08(1KX8),  
24LC08(1KX8), 24C16(2KX8), 24LC16(2KX8), 24C32(4KX8), 24LC32(4KX8), 24C64(8KX8),  
24LC64(8KX8), 24C128(16KX8), 24LC128(16KX8), 24C256(32KX8), 24LC256(32KX8),  
24C512(64KX8),  
24LC512(64KX8),

\_\_\_Serial-AKM

AK93C46(128x8), AK93C56(256x8), AK93C66(512x8), AK6420AF(128x16), AK6440AF(256x16),  
AK6480AF(512x16), AK6480CF(512x16), AK6420B(128x16), AK6440B(256x16), AK6480B(512x16),  
AK6420AM(128x16), AK6440AM(256x16), AK6480AM(512x16), AK6480CL(512x16),  
AK6481CH(512x16),  
AK6481CM(512x16), AK6416A, AK6416AM(1024x16), AK6416CM(1024x16), AK6416CH(1024x16),  
AK93C46(64x16), AK93C56(128x16), AK93C66(236x16), AK93C86(2Kx8), AK93C86(1Kx16),

\_\_\_Serial-ONSEMI

CAT64LC20W(128x16), CAT64LC20J(128x16), CAT64LC40W(256x16), CAT64LC40J(256x16),  
CAT64LC80W(512x16),  
CAT64LC80J(512x16), CAT64LC20(P/L/S/V/U/Y), CAT64LC40(P/L/S/V/U/Y),  
CAT64LC80(P/L/S/V/U/Y),

\_\_\_Serial-ATMEL

AT24C01, AT24LC01, AT24C02, AT24LC02, AT24C02A, AT24LC02A, AT24C04, AT24LC04,  
AT24C04A,  
AT24CL04A, AT24C08, AT24LC08, AT24C08A, AT24LC08A, AT24RF08C, AT24C16, AT24LC16,  
AT24C16A, AT24LC16A, AT24C32, AT24LC32, AT24C64, AT24LC64, AT24C128, AT24LC128,  
AT24C256,  
AT24LC256, AT24C512, AT24LC512, AT93C46(128x8), AT93C56(256x8), AT93C66(512x8),  
AT93C86(2Kx8),  
AT93C46(64x16), AT93C56(128x16), AT93C66(236x16), AT93C86(1Kx16), AT25010, AT25020,  
AT25040, AT25080, AT25160, AT25320, AT25640, AT25128, AT25256, AT25010A, AT25020A,  
AT25040A, AT25080A, AT25160A, AT25320A, AT25640A, AT25128A, AT25256A, AT25F512,  
AT25F1024,  
AT25F1024A, AT25F2048, AT25F4096, AT25DF021, AT25DF041, AT25DF081, AT25DF161,  
AT26DF021,  
AT26DF041, AT26DF081, AT26DF161,

\_\_\_Serial-AT\_FUTR

45DB161D(SO\_8P),

\_\_\_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), AF93BC56(256x8), AF93BC66(512x8), AF93BC86(2Kx8),  
AF93BC46(64x16),  
AF93BC56(128x16), AF93BC66(236x16), AF93BC86(1Kx16),

\_\_\_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-FUDAN

FM93C46(128x8), FM93C56(256x8), FM93C66(512x8), FM24C02A(256x8), FM24C02B(256x8),  
FM24C02C(256x8), FM24C04A(512x8), FM24C04B(512x8), FM24C08A(1KX8), FM24C08B(1KX8),  
FM24C16A(2KX8), FM24C16B(2KX8), FM24C32A(4KX8), FM24C32B(4KX8), FM24C64A(8KX8),  
FM24C64B(8KX8),  
FM24C128A(16KX8), FM24C128A(16KX8), FM24C256A(32KX8), FM24C256B(32KX8),  
FM24C512A(64KX8),  
FM24C512B(64KX8),

\_\_\_Serial-ST

M25P10-V(8PIN), M25P20-V(8PIN), M25P40-V(8PIN), M25P80-V(8PIN), M25P128-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),  
W25Q16(8PIN), W25Q32(8PIN), W25Q64(8PIN), W25Q128(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), 93C46A(128x8), 93C46H(128x8), 93C46I(128x8), 93C46(64x16), 93C56(128x16), 93C66(236x16),

\_\_\_Serial-EXEL

XL93C46(128x8), XL93C56(128x8), XL93C66(128x8), XL93CS46, X93C46(64x16), X93C56(128x16), X93C66(236x16), X93C86(2Kx8), X93C86(1Kx16),

\_\_\_Serial-FAIRCHILD

FM24C02, FM24C02W, FM24C03, FM24C04, FM24C04W, FM24C08, FM24C08W, FM24C16, FM24C16W, FM93C46(128x8), FM93C56(128x8), FM93C66(128x8), FM93C46(64x16), FM93C56(128x16), FM93C66(236x16),

\_\_\_Serial-HYUNDAI

HY24C02, HY24C02W, HY24C04, HY24C04W, HY24C08, HY24C08W, HY24C16, HY24C16W, HY93C46(128x8), HY93C46(256x8), HY93C46(64x16), HY93C56(128x16), HY93C66(236x16),

\_\_\_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), GT24C04, GT24C08, GT24C16, GT24C32, GT24C64, GT24C128, GT24C256,

\_\_\_Serial-ISSI

24C02(256x8), 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), 93LC56, 93C66, 93LC66(512x8), 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, 93LC56A, 93LC56B, 93LC56C, 93LC56C, 93LC66A, 93LC66B, 93LC66C, 93LC66C, 93LC86A, 93LC86B, 93LC86C, 93LC86C, 93AA46A, 93AA46B, 93AA46C, 93AA46C, 93AA56A, 93AA56B(128x16), 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), NMC93C46(128x8),

NMC93CS46(128x8),

NMC93C56(256x8), NMC93CS56, NMC93C66, NMC93CS66, NM93C46(64x16), NM93C56(128x16), NM93C66(236x16), NM59C11, NM24C02/L, NM24C04/L, NM24C08, NM24C16,

\_\_\_\_Serial-ROHM

BR24C01A(128x8), BR24C02(256x8), BR24C04(512x8), BR24C08(1Kx8), BR24C16(2KX8), BR24C32(4KX8),

BR24C64(8KX8), BR93C46(128x8), BR93C56(256x8), BR93C66(512x8), BR93C46(64x16), BR93C56(128x16),

BR93C66(256x16), BR93LC46(128x8), BR93LC56(256x8), BR93LC66(512x8), BR93LC46(64x16),

BR93LC56(128x16), BR93LC66(256x16), BR9010AF, BR9020AF, BR9040AF, BR9080AF, BR9080CF,

BR9010B(128x16), BR9020B(128x16), BR9040B(256x16), BR9080B(512x16), BR9020AM(128x16),

BR9040AM(256x16), BR9080AM(512x16), BR9080CL(512x16), BR9016A(1024x16),

BR9016AM(1024x16),

BR9016CM(1024x16), BR9016CH(1024x16),

\_\_\_\_Serial-SAMSUNG

KM24C02, KM24C04, KM24C08, KM24C16, KM93C46(128x8), KM93C46V(128x8),

KM93C56(256x8),

KM93CS56(256x8), KM93C57(256x8), KM93C66(512x8), KM93CS66(512x8), KM93C67(512x8),

\_\_\_\_Serial-ST

24C01, 24C02A, ST24C04, ST24C08, ST24C16, M93C46A(128x8), M93C56(256x8), M93C66(512x8),

M93C57(128x16), M93C76(512x16), M93C86(2k, MST93C46(64x16), M93C56(128x16),

M93C66(256x16),

M93C76(512x16), 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),

ST93C66(512x8),

ST93C46(64x16), ST93C56(128x16), ST93C66(256x16), ST93C57(128x16), ST93C86(2kx8),

ST93C86(1kx16),

\_\_\_\_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), X5163(8pin), X5165(8pin), X5643(8pin), X5645(8pin), X25043(8pin),

X25010, X25020, X25040, X25080, X25160, X25320, X25640, X25650, X93C46(64x16),

X93C56(128x16),

X93C66(236x16), X93C86(2kx8), X93C86(1Kx16), 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(64x16), Y93LC46A(256x16), Y93LC46A(128x8),  
Y93LC66A(512x8),

\_\_\_Serial-YMC

Y24LC02A, Y54LC64, Y93LC46A, Y93LC46A, Y93LC46A, Y93LC66A,

\_\_\_Serial-MITSUBISHI

M6M80011P(8PIN), M6M80011FP(10PIN), M6M80021P(8PIN), M6M80021FP(10PIN),  
M6M80041P(8PIN),

M6M80041FP(10PIN), S29255A(SOP8), S29255A(DIP8), S29355A(SOP8), S29355A(DIP8),

\_\_\_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,  
ATF22V10C,

\_\_\_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-BDTIC

HK1225, HK1235, HK1245, HK1265, HK1255,

\_\_\_TEST-Standard

74xxx, 40xxx, 45xxx,

\_\_\_end

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