

PROGRAMER TOP 2011



Features:

- 40 pins self-lock sockets
- USB load testing (0 to 10 levels)
- Interface with PC , laptop or compatibles through USB1.1/2.0 port
- Self-detecting the device's manufacturer's name and the type of IC
- Provides over-current and over-voltage protection for safety of the chip and programmer hardware
- Support devices 2.5V~6.5V
- Power : < 2.5w (5v/500mA)
- Supports Windows98/SE/ME/2000/XP/Vista/Win7
- Main unit dimension : 142(L)×103(W)×23(H)mm
- Weight: 250g.

Device List:

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, 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,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, 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-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, D27C256-21V, 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,

_____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,
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, AT49LW040*32PLCC, AT49LW080*32PLCC,
AT49LL020*32PLCC, AT49LL040*32PLCC, AT49LL080*32PLCC, AT49F010, AT49F020, AT49F040,
AT49LV010, AT49LV020, AT49LV040, AT49LV001, AT49LV002, AT49LV004, AT49LW040*32PLCC,
AT49LW080*32PLCC, AT49LL020*32PLCC, AT49LL040*32PLCC, AT49LL080*32PLCC,

_____EEPROM-ACTRANS

AC39LV512, AC39LV010, AC39LV020, AC39LV040,

_____EEPROM-WINBOND

W27E257, W27E512, 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,
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, 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, 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, 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+, STC89LE51RD, STC89LE52RD, STC89LE54RD+, STC89LE58RD+, STC89LE510RD+, STC89LE512RD+, STC89LE513RD+, STC89LE514RD+, STC89LE516RD+,

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

STK6033BDIG(DIP40-16K), STK6033BSOG(SOP20-16K), STK6031(DIP40-64K), STK6032(DIP40-64K), STK6052(as,

MPU-MEGAWIN

MPC89E51A, MPC89E52A, MPC89E53A, MPC89E54A, MPC89E58A, 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,

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, W78E58D, W78E516D, W78E051D, W78E052D,
W78E054D,
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), N79E352(ICP), W79E82ISP,

MPU-MICROCHIP

PIC12C508, PIC12C508A, PIC12C508B, PIC12C509, PIC12C509A, PIC12C509B, PIC12CE518,
PIC12CE519, PIC12F508, PIC12F509, PIC12F510, PIC12C671, PIC12C672, PIC12CE673,
PIC12CE674,
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-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, 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
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-future
SM59R08A2(64LTQFP), SM59R16A2(64LTQFP), LS2051,
____Serial-???
93C46, 93C56, 93C66, 93C57, 93C86, 93C76, 93C46, 93C56, 93C66, 93C76, 93C86, 24C01A,
24C02, 24C04, 24C08, 24C16, 24C32, 24C64, 24C128, 24C256, 24C512,
____Serial-AKM
93C46, 93C56, 93C66, 93C46, 93C56, 93C66, AK6420AF, AK6440AF, AK6480AF, AK6480CF,
AK6420B, AK6440B, AK6480B, AK6420AM, AK6440AM, AK6480AM, AK6480CL, AK6481CH,
AK6481CM,
AK6416A, AK6416AM, AK6416CM, AK6416CH,
____Serial-ATMEL
AT24C01, AT24C02, AT24C04, AT24RF08C, AT24C08, AT24C16, AT24C32, AT24C64, AT24C128,
AT24C256, AT24C512, 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, AT93C46, AT93C56, AT93C66, AT93C86, AT93C46,
AT93C56, AT93C66, AT93C86,
____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-CATALYST**
93C46, 93C46A, 93C46H, 93C46I, 93C46, 93C56, 93C66,
____**Serial-EXEL**
XL93C46, XL93C56, XL93C66, XL93CS46, X93C86, X93C46, X93C56, X93C66, X93C86,
____**Serial-FAIRCHILD**
FM24C02, FM24C02W, FM24C03, FM24C04, FM24C04W, FM24C08, FM24C08W, FM24C16,
FM24C16W,
FM93C46, FM93C56, FM93C66, FM93C46, FM93C56, FM93C66,
____**Serial-HYUNDAI**
HY93C46, HY93C46, HY93C46, HY93C56, HY93C66,
____**Serial-ICT**
93C46, 93C46A, 93CX46, 93C56, 93CX56, 93C66, 93CX66, 93C46, 93C56, 93C66,
____**Serial-ISSI**
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, 25C040, 25C080, 25C160, 25C320, 25LC040, 25LC080, 25LC160, 25LC320,
25LC640, 25AA040, 25AA080, 25AA160, 25AA320, 25AA640, 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,
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,
____**Serial-NS**
NMC9346, 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**
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, M95040, M95080, M95160, M95320,
M95640,
____**Serial-SGS-THOMSON**
ST24C01, ST24C02A, ST24C04, ST24C08, ST24C16, ST93C46A, ST93C56, ST93C66, ST93C46,
ST93C56, ST93C66, ST93C57, ST93C86, ST93C86,
____**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-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), X93C46, X93C56, X93C66, X93C86, X93C86, X25043(8pin),
 X25045(8pin), X5043(8pin), X5045(8pin), X5043(14pin), X5045(14pin), X25010, X25020,
 X25040, X25080, X25160, X25320, X25640, X25650,
 _____**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-???**
 16V8, 16V8A, 16V8B, 20V8, 20V8A, 20V8B, 22V10, 22V10A,
 _____**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-BDTIC**
 HK1225, HK1235, HK1245, HK1265, HK1255,
 _____**TEST-Standard**
 74xxx, 40xxx, 45xxx,
 _____end 2349,

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