

**PROGRAMMATEUR UNIVERSEL, SUPPORT 40ZIF, INTERFACE USB2.0
POUR TOUTES LES EPROMs, EEPROMs, FLASH, STC MICROCONTROLEURS**

Supporte les EPROMs et les microcontrôleurs STC !



TOP2013



Présentation:

Le TOP2013 est un programmeur universel à bas prix. Il supporte différents composants tel que les EPROMs jusqu'à 32 broches (2716 à 27C801) avec une tension de programmation allant de 12,5V à 25,0V, les EEPROMs parallèles (2816 à 28C040), les EEPROMs série (24xx / 25xx / 93xx), les mémoires FLASHs jusqu'à 32 broches (28Fxxx / 29Fxxx / 37xxx / 39xxx / 49xxx), ainsi que les microcontrôleurs les plus populaires (87Cxx / AT89Cxx / AT90xx / STC89xx / STC10Fxx / STC11Fxx / STC12Cxx / STC90Cxx / PIC12Cxx / PIC16Cxx / PIC12Fxx / PIC16Fxxx) et les PLDs (ATF16Vxx / ATF20Vxx / ATF22Vxx / GAL16Vxx / GAL20Vxx / GAL22Vxx).

Ce programmeur est basé sur un processeur ARM Cortex à architecture 32 bits. Il est de petite taille et consomme peu. Il communique avec les ordinateurs à travers un port USB 2.0 et ne nécessite pas d'alimentation externe. Il est équipé d'une protection contre les courts-circuits et les surtensions sur chaque Broche afin de protéger le programmeur. Il détecte également si les composants sont insérés correctement ou non, dans le cas contraire un message apparait à l'écran. Fonctionne sous Windows XP/2000/VISTA/Windows7/Windows8.1/Windows10 (32/64bits).

Caractéristiques:

40 broches autonomes (Vpp/Vcc/GND/TTL).
Supporte les composants de 2.5V à 6.5V.
Alimentation par le port USB ou par le bloc d'alimentation, sélectionnable.
Vitesse de transfert des données : 12MHz/s.
Approprié pour une utilisation avec les ordinateurs de bureaux ou les ordinateurs portables.
Système de protection des courts-circuits afin de protéger le programmeur.
Détection automatique de l'état des broches du programmeur.
Détection automatique des références de composant et du fabricant.
Fonctionne sous Windows XP / VISTA / Windows 7 / Windows 8.1 / Windows10 (32bit et 64bit).

Specifications électriques et matériels:

Dimensions appareil : 155 x 110 x 26mm. Poids : 275g
Alimentation : transformateur entrée AC 100V à 240V, 50Hz/60Hz, sortie 5Vdc/2A.
Interface : connection à un port USB (USB 2.0) à un ordinateur PC ou portable.
Support : ZIF40, (supporte les composants de 8 broches à 40 broches)

Inclus:

Programmeur avec support 48 broches.
Bloc d'alimentation.
Cable USB type A-B
Logiciel sur CD-ROM.
Manuel d'utilisation en Anglais.

Informations produits : www.seeit.fr

↓ **Liste des composants programmés** ↓



LISTE DES COMPOSANTS TOP2013

Appuyer sur "CTRL + F" pour rechercher un composant

Programmateurs universel TOP2013

Total : 4600 composants

Version : 8.27

Liste des composants:

EEPROM-???

EPR ??? 2716-12.7V ,P27 1
EPR ??? 2716-21V ,P27 2
EPR ??? 2716-25V ,P27 3
EPR ??? 2732-12.7V ,P27 4
EPR ??? 2732-21V ,P27 5
EPR ??? 2732-25V ,P27 6
EPR ??? 2764-12.7V ,P27 7
EPR ??? 27C64-12.7V,P27 7
EPR ??? 2764-21V ,P27 8
EPR ??? 2764-25V ,P27 9
EPR ??? 27128-12.7V,P27 10
EPR ??? 27C128-12.7V,P27 10
EPR ??? 27128-21V ,P27 11
EPR ??? 27C128-21V ,P27 11
EPR ??? 27256-12.7V,P27 13
EPR ??? 27C256-12.7V,P27 13
EPR ??? 27512-12.7V,P27 14
EPR ??? 27C512-12.7V,P27 14
EPR ??? 27513-12.7V,P27 15
EPR ??? 27C513-12.7V,P27 15
EPR ??? 27C010-12.7V,P27 16
EPR ??? 27C020-12.7V,P27 17
EPR ??? 27C040-12.7V,P27 18
EPR ??? 27C080-12.7V,P27 19
EPR ??? 27C801-12.7V ,P27 19

#EPROM-AMD

EPR AMD Am2716-12.7V,P27 1
EPR AMD Am2716-21V ,P27 2
EPR AMD Am2716-25V ,P27 3
EPR AMD Am2732-12.7V,P27 4
EPR AMD Am2732-21V ,P27 5
EPR AMD Am2732-25V ,P27 6
EPR AMD Am2764-21V ,P27 8
EPR AMD Am2764A-12.5V,P27 7
EPR AMD Am27C64-12.5V,P27 7
EPR AMD Am27128-21V ,P27 11
EPR AMD Am27128A-12.5V ,P27 10
EPR AMD Am27C128-12.7V,P27 10
EPR AMD Am27256HV-21V ,P27 13
EPR AMD Am27C256-12.75V ,P27 13
EPR AMD Am27C256P-12.75V ,P27 13
EPR AMD Am27H256-12.75V ,P27 13
EPR AMD Am27512-12.75V ,P27 14
EPR AMD Am27512/L-12.75V ,P27 14
EPR AMD Am27C010-12.75V ,P27 16
EPR AMD Am27H010-12.75V ,P27 16
EPR AMD Am27HB010-12.75V ,P27 16
EPR AMD Am27C020-12.75V ,P27 17
EPR AMD Am27C040-12.75V ,P27 18
EPR AMD Am27C080-12.7V ,P27 19

#EPROM-ATMEL

EPR ATMEL AT2716-12.7V,P27 1
EPR ATMEL AT2716-21V ,P27 2
EPR ATMEL AT2716-25V ,P27 3
EPR ATMEL AT2732-12.7V,P27 4
EPR ATMEL AT2732-21V ,P27 5
EPR ATMEL AT2732-25V ,P27 6
EPR ATMEL AT27HC64-12.7V ,P27 7
EPR ATMEL AT27HC64L-12.7V ,P27 7
EPR ATMEL AT27C128-12.7V ,P27 10
EPR ATMEL AT27C256-12.7V ,P27 13
EPR ATMEL AT27HC256-12.7V ,P27 13
EPR ATMEL AT27HC256-12.7V ,P27 13
EPR ATMEL AT27C512-12.7V ,P27 14
EPR ATMEL AT27C512R-12.7V ,P27 14
EPR ATMEL AT27C513-12.7V ,P27 15

EPR ATMEL AT27C513R-12.7V ,P27 15
EPR ATMEL AT27C010/L-12.7V ,P27 16
EPR ATMEL AT27C011-12.7V ,P27 16
EPR ATMEL AT27C040-12.7V ,P27 18
EPR ATMEL AT27C080-12.7V ,P27 19

#EPROM-CATALYST

EPR CATALYST CAT2764A-12.7V ,P27 7
EPR CATALYST CAT27128A-12.7V ,P27 10
EPR CATALYST CAT27C128-12.7V,P27 10
EPR CATALYST CAT27C256-12.7V ,P27 13
EPR CATALYST CAT27512-12.7V ,P27 14
EPR CATALYST CAT27C010-12.7V ,P27 16

#EPROM-FUJITSU

EPR FUJITSU MBM2716-12.7V,P27 1
EPR FUJITSU MBM2716-21V ,P27 2
EPR FUJITSU MBM2716-25V ,P27 3
EPR FUJITSU MBM2732-12.7V,P27 4
EPR FUJITSU MBM2732-21V ,P27 5
EPR FUJITSU MBM2732-25V ,P27 6
EPR FUJITSU MBM2764-21V ,P27 8
EPR FUJITSU MBM27C64-21V ,P27 8
EPR FUJITSU MBM27128-21V ,P27 11
EPR FUJITSU MBM27C128-21V ,P27 11
EPR FUJITSU MBM27256-12.7V ,P27 13
EPR FUJITSU MBM27C256A-12.7V ,P27 13
EPR FUJITSU MBM27C512-12.7V ,P27 14
EPR FUJITSU MBM27C1000-12.7V ,P27 16
EPR FUJITSU MBM27C1001-12.7V ,P27 16
EPR FUJITSU MBM27C4001-12.7V ,P27 18
EPR FUJITSU MBM27C080-12.7V ,P27 19

#EPROM-GENERAL

EPR GENERAL 2716-12.7V,P27 1
EPR GENERAL 2716-21V ,P27 2
EPR GENERAL 2716-25V ,P27 3
EPR GENERAL 2732-12.7V,P27 4
EPR GENERAL 2732-21V ,P27 5
EPR GENERAL 2732-25V ,P27 6
EPR GENERAL 2764-21V ,P27 8
EPR GENERAL 27C64-21V ,P27 8
EPR GENERAL 2764A-12.7V ,P27 7
EPR GENERAL 27C6A-12.7V ,P27 7
EPR GENERAL 27128-21V ,P27 11
EPR GENERAL 27128A-12.7V ,P27 4AB
EPR GENERAL 27C128-12.7V,P27 10
EPR GENERAL 27256 ,P27 13
EPR GENERAL 27C256 ,P27 13
EPR GENERAL 27256HV-21V ,P27 13
EPR GENERAL 27512 ,P27 14
EPR GENERAL 27C512 ,P27 14
EPR GENERAL 27512HV-21V ,P27 14
EPR GENERAL 27513,P27 15
EPR GENERAL 27C513,P27 15
EPR GENERAL 27010 ,P27 16
EPR GENERAL 27C010,P27 16
EPR GENERAL 27011 ,P27 16
EPR GENERAL 27C011,P27 16
EPR GENERAL 27101,P27 16
EPR GENERAL 27C101,P27 16
EPR GENERAL 27C020,P27 17
EPR GENERAL 27C040,P27 18
EPR GENERAL 27C080,P27 19

#EPROM-HITACHI

EPR HITACHI HN27C64-21V ,P27 8
EPR HITACHI HN27128AG-12.7V ,P27 10
EPR HITACHI HN27128P-21V ,P27 11
EPR HITACHI HN27C256,P27 13
EPR HITACHI HN27C512,P27 14
EPR HITACHI HN27C101,P27 16
EPR HITACHI HN27C301,P27 16

#EPROM-ST

EPR ST 27128 ,P27 10
EPR ST 27C128 ,P27 10
EPR ST 27256 ,P27 13
EPR ST 27C256 ,P27 13
EPR ST 27512 ,P27 14

EPR ST 27C512 ,P27 14
EPR ST 27C1000 ,P27 16
EPR ST 27C1001 ,P27 16
//EPR ST 27C020 ,P27 17
EPR ST 27C405 ,P27 18
EPR ST 27C4001 ,P27 18
EPR ST 27C801 ,P27 19
#EPROM-HYUNDAI
EPR HYUNDAI 27C64-12.7V ,P27 7
EPR HYUNDAI 27C128-12.7V ,P27 10
EPR HYUNDAI 27C256-12.7V ,P27 13
EPR HYUNDAI 27C512,P27 14
EPR HYUNDAI 27C010,P27 16
EPR HYUNDAI 27C020,P27 17

#EPROM-ICT
EPR ICT 27CX256,P27 13
EPR ICT 27CX128,P27 10
EPR ICT 27CX256,P27 13
EPR ICT 27CX512,P27 14
EPR ICT 27CX010,P27 16
EPR ICT 27CX020,P27 17

#EPROM-INTEL
EPR INTEL i2716-12.7V,P27 1
EPR INTEL i2716-21V ,P27 2
EPR INTEL i2716-25V ,P27 3
EPR INTEL i2732-12.7V,P27 4
EPR INTEL i2732-21V ,P27 5
EPR INTEL i2732-25V ,P27 6
EPR INTEL i2764-21V ,P27 8
EPR INTEL i27C64-12.7V ,P27 7
EPR INTEL i2764A-12.7V ,P27 7
EPR INTEL i87C64-12.7V ,P27 7
EPR INTEL i27128-21V ,P27 11
EPR INTEL i27A128-12.7V ,P27 10
EPR INTEL i27C128-12.7V ,P27 10
EPR INTEL i27C256-12.7V ,P27 13
EPR INTEL i87C256-12.7V ,P27 13
EPR INTEL i27C512,P27 14
EPR INTEL i27C010,P27 16
EPR INTEL i27010,P27 16
EPR INTEL i27010A,P27 16
EPR INTEL i27020,P27 17
EPR INTEL i27C040,P27 18
EPR INTEL i27C080,P27 19

#EPROM-MATSUSHITA
EPR MATSUSHITA 27C256,P27 13
EPR MATSUSHITA 27C128,P27 10
EPR MATSUSHITA 27C256,P27 13
EPR MATSUSHITA 27C512,P27 14
EPR MATSUSHITA 27C010,P27 16
EPR MATSUSHITA 27C020,P27 17

#EPROM-MICROCHIP
EPR MICROCHIP 27C64-12.7V ,P27 7
EPR MICROCHIP 27C128-12.7V ,P27 10
EPR MICROCHIP 27HC256,P27 13
EPR MICROCHIP 27C512,P27 14
EPR MICROCHIP 27513,P27 15
EPR MICROCHIP 27C513,P27 15
EPR MICROCHIP 27C010,P27 16
EPR MICROCHIP 27C020,P27 17

#EPROM-MITSUBISHI
EPR MITSUBISHI M5L2764-21V,P27 8
EPR MITSUBISHI M5L27C128-12.7V ,P27 10
EPR MITSUBISHI M5M27128/K-21V ,P27 11
EPR MITSUBISHI M5M27K-12.7V ,P27 13
EPR MITSUBISHI M5MC256-12.7V ,P27 13
EPR MITSUBISHI M5M27C512,P27 14
EPR MITSUBISHI M5M27K512,P27 14
EPR MITSUBISHI M5M27C100,P27 16
EPR MITSUBISHI M5M27C101,P27 16
//EPR MITSUBISHI M5M27C102,P27 16
EPR MITSUBISHI M5M27C201,P27 17
EPR MITSUBISHI M5M27C401,P27 18

#EPROM-MXIC
EPR MXIC MX2716-12.7V,P27 1

EPR MXIC MX2716-21V ,P27 2
EPR MXIC MX2716-25V ,P27 3
EPR MXIC MX2732-12.7V,P27 4
EPR MXIC MX2732-21V ,P27 5
EPR MXIC MX2732-25V ,P27 6
EPR MXIC MX27C256-12.7V ,P27 13
EPR MXIC MX27C512-12.7V ,P27 14
EPR MXIC MX27C1000-12.7V ,P27 16

#EPROM-NEC

EPR NEC D2716-12.7V,P27 1
EPR NEC D2716-21V ,P27 2
EPR NEC D2716-25V ,P27 3
EPR NEC D2732-12.7V,P27 4
EPR NEC D2732-21V ,P27 5
EPR NEC D2732-25V ,P27 6
EPR NEC D2764-21V ,P27 8
EPR NEC D27C64-12.7V ,P27 7
EPR NEC D27128-21V ,P27 11
EPR NEC D27C256-21V ,P27 13
EPR NEC D27C256A-12.7V ,P27 13
EPR NEC D27C512,P27 14
EPR NEC D27C1000,P27 16
EPR NEC D27C1000A,P27 16
EPR NEC D27C1001,P27 16
EPR NEC D27C1001A,P27 16
EPR NEC D27C2001,P27 17
EPR NEC D27C4001,P27 18

#EPROM-NS

EPR NS NM2716-12.7V,P27 1
EPR NS NM2716-21V,P27 2
EPR NS NM2716-25V ,P27 3
EPR NS NM2732-12.7V,P27 4
EPR NS NM2732-21V ,P27 5
EPR NS NM2732-25V ,P27 6
EPR NS NM27LC64-12.7V ,P27 7
EPR NS NM27C256-12.7V ,P27 13
EPR NS NM27LC256-12.7V ,P27 13
EPR NS NMC87C257-12.7V ,P27 13
EPR NS NM27LC512,P27 14
EPR NS NM27LV512,P27 14
EPR NS NM27P512,P27 14
EPR NS NMC27C64,P27 7
EPR NS NM27C128/B-12.7V ,P27 10
EPR NS NMC27C128/B-12.7V ,P27 10
EPR NS NMC27CP128-12.7V ,P27 10
EPR NS NMC27C256-12.7V ,P27 13
EPR NS NMC27C256B-12.7V ,P27 13
EPR NS NM27C512,P27 14
EPR NS NMC27C512,P27 14
EPR NS NMC27C512A,P27 15
EPR NS NMC27C010,P27 16
EPR NS NMC27C020,P27 17

#EPROM-OKI

EPR OKI MSM2716-12.7V,P27 1
EPR OKI MSM2716-21V ,P27 2
EPR OKI MSM2716-25V ,P27 3
EPR OKI MSM2732-12.7V,P27 4
EPR OKI MSM2732-21V ,P27 5
EPR OKI MSM2732-25V ,P27 6
EPR OKI MSM2764A-12.7V ,P27 7
EPR OKI MSM2764AS-21V ,P27 8
EPR OKI MSM27128A-12.7V ,P27 10
EPR OKI MSM27128AS-21V ,P27 11
EPR OKI MSM27256AS-12.7V ,P27 13
EPR OKI MSM27512AS,P27 14
EPR OKI MSM271000,P27 16

#EPROM-RICOH

EPR RICOH 27C64-21V ,P27 8
EPR RICOH 27C256-12.7V ,P27 13

#EPROM-SAMSUNG

EPR SAMSUNG KM23C4100,P27 16

#EPROM-SEEQ

EPR SEEQ DQ2764-21V,P27 8

EPR SEEQ DQ27128-21V ,P27 11
EPR SEEQ DQ27C256-12.7V ,P27 13

#EPROM-SGS_THOMSON
EPR SGS M27128A-12.7V ,P27 10
EPR SGS M27256,P27 13
EPR SGS M27CC512,P27 14
EPR SGS M27C1000,P27 16
EPR SGS M27C1001,P27 16
EPR SGS M27C2001,P27 17
EPR SGS M27C4001,P27 18

#EPROM-SIGNETICS
EP SIGNETICS 27C64A,P27 7
EP SIGNETICS 27C128,P27 10
EP SIGNETICS 27C512,P27 14

#EPROM-SMOS
EPR SMOS 27C64H,P27 7
EPR SMOS 27128H,P27 10
EPR SMOS 27C256H,P27 13

#EPROM-SONY
EPR SONY CXK27C256,P27 13
EPR SONY CXK27C512,P27 15

#EPROM-TI
EPR TI TMS2564-25V,P27 9
EPR TI TMS2764-21V,P27 8
EPR TI TMS27C64-12.7V ,P27 7
EPR TI TMS27PC64-12.7V ,P27 7
EPR TI TMS27128-21V ,P27 11
EPR TI TMS27C128-12.7V ,P27 10
EPR TI TMS27CP128-12.7V ,P27 10
EPR TI TMS27C256,P27 13
EPR TI TMS27PC256,P27 13
EPR TI TMS87257,P27 13
EPR TI TMS27C512,P27 14
EPR TI TMS27CP512,P27 14
EPR TI TMS27C010,P27 16
EPR TI TMS27PC010,P27 16
EPR TI TMS27C020,P27 17
EPR TI TMS27PC020,P27 17
EPR TI TMS27C040,P27 18
EPR TI TMS27PC040,P27 18

#EPROM-TOSHIBA
EPR TOSHIBA TMM2716-25V ,P27 3
EPR TOSHIBA TMM2732-21V ,P27 5
EPR TOSHIBA TMM2764-21V ,P27 8
EPR TOSHIBA TMM2764A-12.7V ,P27 7
EPR TOSHIBA TMM27128-21V ,P27 11
EPR TOSHIBA TMM27128A,P27 10
EPR TOSHIBA TMM27256A,P27 13
EPR TOSHIBA TMM27256AD,P27 13
EPR TOSHIBA TMM27512,P27 14
EPR TOSHIBA TC541000,P27 16
EPR TOSHIBA TC541001,P27 16
EPR TOSHIBA TC571000,P27 16
EPR TOSHIBA TC571001,P27 16
EPR TOSHIBA TC532000,P27 17
EPR TOSHIBA TC572000,P27 17
EPR TOSHIBA TC534000,P27 18
EPR TOSHIBA TC574000,P27 18

#EPROM-VLSI
EPR VLSI VT2716-25V,P27 3
EPR VLSI VT2732-21V,P27 5
EPR VLSI VT27C64,P27 7
EPR VLSI VT27C128,P27 10
EPR VLSI VT27C256,P27 13
EPR VLSI VT27C512,P27 14

#EPROM-WSI
EPR WSI WS2716-25V ,P27 3
EPR WSI WS2732-21V ,P27 5
EPR WSI WS27C512F,P27 14
EPR WSI WS27C64F,P27 7

EPR WSI WS57C64F,P27 7
EPR WSI WS27C128F,P27 10
EPR WSI WS57C128F,P27 10
EPR WSI WS57C128FB,P27 10
EPR WSI WS27C256F,P27 13
EPR WSI WS27C256L,P27 13
EPR WSI WS57C256F,P27 13
EPR WSI WS57C256FB,P27 13
EPR WSI WS27C512L,P27 15
EPR WSI WS27C010F,P27 16
EPR WSI WS27C010L,P27 16
EPR WSI WS57C65,P27 4
EPR WSI WS57C257,P27 13

EPR WSI WS57C51C,P57C71 1
EPR WSI WS57C71C,P57C71 2

#EEPROM-AMD

EEP AMD AM29C257 ,P29 2
EEP AMD AM28F256 ,PI28F 1
EEP AMD AM28F512 ,PI28F 3
EEP AMD AM28F010/A ,PI28F 4
EEP AMD AM28F020/A ,PI28F 5

EEP AMD AM29F256 ,AMD29f040 1 ,upr=0,vcc=5000
EEP AMD AM29F512 ,AMD29f040 2 ,upr=0,vcc=5000
EEP AMD AM29F010 ,AMD29f040 3 ,upr=0,vcc=5000
EEP AMD AM29F010B ,AMD29f040 3 ,upr=0,vcc=5000
EEP AMD AM29F020 ,AMD29f040 4 ,upr=0,vcc=5000
EEP AMD AM29F020B ,AMD29f040 4 ,upr=0,vcc=5000
//EEP AMD AM29F040 ,AMD29f040 5 ,upr=1,vcc=5000
//EEP AMD AM29F040B ,AMD29f040 5 ,upr=1,vcc=5000

EEP AMD AM29LV010B ,AMD29f040 3 ,upr=0,vcc=3300
EEP AMD AM29LV020B ,AMD29f040 4 ,upr=0,vcc=3300
EEP AMD AM29LV040B ,AMD29f040 5 ,upr=1,vcc=3300

EEP AMD AM29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=1
EEP AMD AM29F001BB ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=1
EEP AMD AM29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=2
EEP AMD AM29F001BT ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=2
EEP AMD AM29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=3
EEP AMD AM29F002BB ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=3
EEP AMD AM29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=4
EEP AMD AM29F002BT ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=4
EEP AMD AM29F002NB ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=3
EEP AMD AM29F002NT ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=4

EEP AMD AM29LV001B ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2,cfg=1
EEP AMD AM29LV001T ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2,cfg=2
EEP AMD AM29LV001BB ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2,cfg=1
EEP AMD AM29LV001BT ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2,cfg=2
EEP AMD AM29LV002B ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2,cfg=3
EEP AMD AM29LV002BB ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2,cfg=3
EEP AMD AM29LV002T ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2,cfg=4
EEP AMD AM29LV002BT ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2,cfg=4

#EEPROM-AMIC

EEP AMIC A29512 ,AMD29f040 2 ,upr=1,vcc=5000
EEP AMIC A29010 ,AMD29f040 3 ,upr=1,vcc=5000
EEP AMIC A29020 ,AMD29f040 4 ,upr=1,vcc=5000
EEP AMIC A29040 ,AMD29f040 5 ,upr=1,vcc=5000

EEP AMIC A29L010 ,AMD29f040 3 ,upr=1,vcc=3300
EEP AMIC A29L020 ,AMD29f040 4 ,upr=1,vcc=3300
EEP AMIC A29L040 ,AMD29f040 5 ,upr=1,vcc=3300

EEP AMIC A29001 ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP AMIC A290011 ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP AMIC A29002 ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP AMIC A290021 ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2

// LPC FLASH

EEP AMIC A49LF020 ,SST49LF008 1 #00,00,ems=10000
EEP AMIC A49LF040 ,SST49LF008 3 #37,9d,ems=10000

#EEPROM-ASD

EEP ASD AE29F1008 ,SST29EE 4
EEP ASD AE29F2008 ,SST29EE 5

EEP ASD AE29F4008 ,SST29EE 6
EEP ASD AE49F1008 ,P29F640 7 mem=1,vcc=5000,dly=100,era=2901,msk=3,ptw=5,prt=3
EEP ASD AE49F2008 ,P29F640 7 mem=2,vcc=5000,dly=100,era=2901,msk=3,ptw=5,prt=3
//EEP ASD AE49F1008 ,AT49F 1,tmp=5,era=10
//EEP ASD AE49F2008 ,AT49F 2,tmp=5,era=10
//2015.2.3 ok
EEP ALLIANCE AS29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP AMD AM29F040/B/P/J/E,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP BRIGHT BM29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP EON EN29F040/A,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP FUJITSU MBM29F040/A/B,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP HYNIX HY29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP HYNIX HY29F040B,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP MACRONIX MX29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP MOSEL MF29F040A/P/J/E,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP ROHM BR29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP SPANSION S29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP SST 29SF040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP ST M29F040/B,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP TI TMS29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16

#EEPROM-MACRONIX

EEP MACRONIX MX28F1000 ,PI28F 4
EEP MACRONIX MX28F2000 ,PI28F 5
//2015.2.3 ok:
EEP MACRONIX MX29F010,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=16
EEP MACRONIX MX29F020,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=16
//EEP MACRONIX MX29F040,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=16

EEP MACRONIX MX29F001B,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=1
EEP MACRONIX MX29F001T,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=2
EEP MACRONIX MX29F002B,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=3
EEP MACRONIX MX29F002T,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=4
EEP MACRONIX MX29F004B,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=5
EEP MACRONIX MX29F004T,P29F640 7,mem=3,vcc=5000,dly=50,prt=1,msk=2,cfg=6

#EEPROM-ATMEL

EEP ATMEL AT2816 ,P2816 1
EEP ATMEL AT2816A ,P2816 2
EEP ATMEL AT28C16 ,P2816 3
EEP ATMEL AT2817A ,P2816 4
EEP ATMEL AT28C17 ,P2816 5
EEP ATMEL AT2864A ,P2816 6
EEP ATMEL AT28C64 ,P2816 7
EEP ATMEL AT28HC64 ,P2816 7
EEP ATMEL AT28C64X ,P2816 7
EEP ATMEL AT28C64L ,P2816 7
EEP ATMEL AT28PC64 ,P2816 7

EEP ATMEL AT28C64B ,AT28C256 1
EEP ATMEL AT28HC64B ,AT28C256 1
EEP ATMEL AT28LV64B ,AT28C256 1,vcc=3300
EEP ATMEL AT28C256 ,AT28C256 2
EEP ATMEL AT28C257 ,AT28C256 2

EEP ATMEL AT28C512 ,AT28CX 3
EEP ATMEL AT28C010 ,AT28CX 4
EEP ATMEL AT28C020 ,AT28CX 5
EEP ATMEL AT28C040 ,AT28CX 6
EEP ATMEL AT28C040A ,AT28CX 6

EEP ATMEL AT28F256 ,PI28F 1
EEP ATMEL AT28F257 ,PI28F 2
EEP ATMEL AT28F512 ,PI28F 3
EEP ATMEL AT28F010 ,PI28F 4
EEP ATMEL AT28F020 ,PI28F 5

EEP ATMEL AT29C257 ,AT29CX 2

EEP ATMEL AT29C256 ,AT29C256 1
EEP ATMEL AT29C257 ,AT29CX 2
EEP ATMEL AT29C512 ,AT29CX 3
EEP ATMEL AT29C010 ,AT29CX 4
EEP ATMEL AT29C010A ,AT29CX 4
EEP ATMEL AT29C020 ,AT29CX 5
EEP ATMEL AT29C040 ,AT29CX 6
EEP ATMEL AT29C040A ,AT29CX 7
EEP ATMEL AT29LV512 ,AT29CX 3,vcc=3300

EEP ATMEL AT29LV010 ,AT29CX 4 ,vcc=3300
EEP ATMEL AT29LV010A ,AT29CX 4 ,vcc=3300
EEP ATMEL AT29LV020 ,AT29CX 5 ,vcc=3300
EEP ATMEL AT29LV020A ,AT29CX 5 ,vcc=3300
EEP ATMEL AT29LV040 ,AT29CX 6 ,vcc=3300
EEP ATMEL AT29LV040A ,AT29CX 7 ,vcc=3300

EEP ATMEL AT49F010 ,AT49F 1
EEP ATMEL AT49F020 ,AT49F 2
EEP ATMEL AT49F040 ,AT49F 3
EEP ATMEL AT49F001 ,AT49F 1
EEP ATMEL AT49F001N ,AT49F 1,tmp=5
EEP ATMEL AT49F001T ,AT49F 1,tmp=5
EEP ATMEL AT49F001NT ,AT49F 1,tmp=5
EEP ATMEL AT49F002 ,AT49F 2,tmp=5
EEP ATMEL AT49F002N ,AT49F 2,tmp=5
EEP ATMEL AT49F002T ,AT49F 2,tmp=5
EEP ATMEL AT49F002NT ,AT49F 2,tmp=5
EEP ATMEL AT49F002A ,AT49F 2,tmp=5
EEP ATMEL AT49F002AN ,AT49F 2,tmp=5
EEP ATMEL AT49F002AT ,AT49F 2,tmp=5
EEP ATMEL AT49F002ANT ,AT49F 2,tmp=5

EEP ATMEL AT49BV020 ,AT49F 2,vcc=3300
EEP ATMEL AT49BV040 ,AT49F 3,vcc=3300

EEP ATMEL AT49LW040*32PLCC ,I82802 2
EEP ATMEL AT49LW080*32PLCC ,I82802 3
EEP ATMEL AT49LL020*32PLCC ,I82802 8
EEP ATMEL AT49LL040*32PLCC ,I82802 9
EEP ATMEL AT49LL080*32PLCC ,I82802 10

EEP ATMEL AT49F010 ,AT49F 1
EEP ATMEL AT49F020 ,AT49F 2
EEP ATMEL AT49F040 ,AT49F 3
EEP ATMEL AT49LV010 ,AT49F 1 ,vcc=3300
EEP ATMEL AT49LV020 ,AT49F 2 ,vcc=3300
EEP ATMEL AT49LV040 ,AT49F 3 ,vcc=3300
EEP ATMEL AT49BV/LV001 ,AT49F 1 ,vcc=3300,tmp=5
EEP ATMEL AT49BV/LV002 ,AT49F 2 ,vcc=3300,tmp=5
EEP ATMEL AT49BV/LV004 ,AT49F 3 ,vcc=3300,tmp=0

EEP ATMEL AT49LW040*32PLCC ,I82802 2
EEP ATMEL AT49LW080*32PLCC ,I82802 3

EEP ATMEL AT49LL020*32PLCC ,I82802 8
EEP ATMEL AT49LL040*32PLCC ,I82802 9
EEP ATMEL AT49LL080*32PLCC ,I82802 10

#EEPROM-ACTTRANS

EEP ACTTRANS AC39LV512 ,SST29XF 6
EEP ACTTRANS AC39LV010 ,SST29XF 7
EEP ACTTRANS AC39LV020 ,SST29XF 8
EEP ACTTRANS AC39LV040 ,SST29XF 9

#EEPROM-WINBOND

EEP WINBOND W27E257 ,PW27 5
EEP WINBOND W27E512 ,PW27 1
EEP WINBOND W27E010 ,PW27 2
EEP WINBOND W27E020 ,PW27 3
EEP WINBOND W27E040 ,PW27 4

EEP WINBOND W27C257 ,PW27 5
EEP WINBOND W27C512 ,PW27 1
EEP WINBOND W27C010 ,PW27 2
EEP WINBOND W27C020 ,PW27 3
EEP WINBOND W27C040 ,PW27 4

EEP WINBOND W27F257 ,PW27 5
EEP WINBOND W27F512 ,PW27 1
EEP WINBOND W27F010 ,PW27 2
EEP WINBOND W27F020 ,PW27 3
EEP WINBOND W27F040 ,PW27 4

EEP WINBOND W28F256 ,PI28F 1
EEP WINBOND W28F257 ,PI28F 2
EEP WINBOND W28F512 ,PI28F 3
EEP WINBOND W28F010 ,PI28F 4

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EEP WINBOND W28F020 ,PI28F 5
-----
EEP WINBOND W29EE512 ,SST29EE 3
EEP WINBOND W29EE010 ,SST29EE 4
EEP WINBOND W29EE011 ,SST29EE 4
EEP WINBOND W29EE012 ,SST29EE 4
-----
//EEP WINBOND W29C010,SST29EE 4
//EEP WINBOND W29C020,SST29EE 5
//EEP WINBOND W29C040,SST29EE 6
EEP WINBOND W29C010,W29C_V3 2 ,mem=1,vcc=5000,rvcc=5000,dly=200, sec=128,
EEP WINBOND W29C020,W29C_V3 2 ,mem=2,vcc=5000,rvcc=5000,dly=200, sec=128,
EEP WINBOND W29C040,W29C_V3 2 ,mem=3,vcc=5000,rvcc=5000,dly=200, sec=256,
-----
EEP WINBOND W49F010 ,AT49F 1
EEP WINBOND W49F020 ,AT49F 2
EEP WINBOND W49F040 ,AT49F 3
EEP WINBOND W49L010 ,AT49F 1 ,vcc=3300
EEP WINBOND W49L020 ,AT49F 2 ,vcc=3300
EEP WINBOND W49L040 ,AT49F 3 ,vcc=3300
EEP WINBOND W49F001 ,AT49F 1,tmp=5,era=10
EEP WINBOND W49F001N ,AT49F 1,tmp=5,era=10
EEP WINBOND W49F001T ,AT49F 1,tmp=5,era=10
EEP WINBOND W49F001NT ,AT49F 1,tmp=5,era=10
EEP WINBOND W49F002 ,AT49F 2,tmp=5,era=10
EEP WINBOND W49F002N ,AT49F 2,tmp=5,era=10
EEP WINBOND W49F002T ,AT49F 2,tmp=5,era=10
EEP WINBOND W49F002NT ,AT49F 2,tmp=5,era=10
EEP WINBOND W49F002U ,AT49F 2 ,tmp=5,era=10
EEP WINBOND W49L001 ,AT49F 1 ,vcc=3300,tmp=5,era=10
EEP WINBOND W49L002 ,AT49F 2 ,vcc=3300,tmp=5,era=10
//-----FWH
EEP WINBOND W49V002 ,SST49LF008 1
EEP WINBOND W49V004 ,SST49LF008 3
EEP WINBOND W39V040A ,SST49LF008 3
EEP WINBOND W39V040FA ,SST49LF008 3
EEP WINBOND W39V040FB ,SST49LF008 3,ems=10000
EEP WINBOND W39V040B ,SST49LF008 3,ems=10000
EEP WINBOND W39V040C ,SST49LF008 3,ems=10000
EEP WINBOND W39V040FC ,SST49LF008 3,ems=10000

EEP WINBOND W39V080F ,SST49LF008 4,sec=1
EEP WINBOND W39V080FA ,SST49LF008 4,sec=1
EEP WINBOND W39V080FB ,SST49LF008 4,sec=1
-----//æ™@ëëçç5,(ä, æ™ FWH):
EEP WINBOND W39L512 ,SST29XF 6
EEP WINBOND W39L010 ,SST29XF 7
EEP WINBOND W39L020 ,SST29XF 8
EEP WINBOND W39L040 ,P29F640 13,dly=50,prt=0,msk=2,mem=3,vcc=3300,

#EEPROM-CATALYST
EEP CATALYST CAT2816 ,P2816 1
EEP CATALYST CAT2816A ,P2816 2
EEP CATALYST CAT28C16 ,P2816 3
EEP CATALYST CAT2817A ,P2816 4
EEP CATALYST CAT28C17 ,P2816 5
EEP CATALYST CAT2864A ,P2816 6
EEP CATALYST CAT28C64 ,P2816 7
EEP CATALYST CAT28HC64 ,P2816 7
-----
EEP CATALYST CAT28C256 ,AT28C256 2
EEP CATALYST CAT28F512/I ,PI28F 3
EEP CATALYST CAT28F512V5/I ,PI28F 3
EEP CATALYST CAT28F010/I ,PI28F 4
EEP CATALYST CAT28F010V5/I ,PI28F 4
EEP CATALYST CAT28F020/I ,PI28F 5

#EEPROM-DALLAS
EEP DALLAS DS1220Y 2K ,DSRAM 1
EEP DALLAS DS1220AB 2K ,DSRAM 1
EEP DALLAS DS1220AD 2K ,DSRAM 1
EEP DALLAS DS1225AB ,DSRAM 2
EEP DALLAS DS1225AD ,DSRAM 2
EEP DALLAS DS1225D ,DSRAM 2
EEP DALLAS DS1225DE ,DSRAM 2
EEP DALLAS DS1225Y ,DSRAM 2
EEP DALLAS DS1230Y ,DSRAM 4
EEP DALLAS DS1230AB ,DSRAM 4

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EEP DALLAS DS1245Y    128K ,DSRAM 6
EEP DALLAS DS12449    256K ,DSRAM 7
EEP DALLAS DS1250Y    512K ,DSRAM 8
----- EON à,ŽAMDç,â  Æ:
#EEPROM-EON
//EEP EON EN29F040 ,AMD29f040 5 ,upr=1,vcc=5000
//EEP EON EN29F040A ,AMD29f040 5 ,upr=1,vcc=5000
EEP EON EN29F004B ,AMD29f040 5 ,upr=1,vcc=5000
EEP EON EN29F004T ,AMD29f040 5 ,upr=1,vcc=5000
EEP EON EN29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP EON EN29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP EON EN29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP EON EN29F002NB ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP EON EN29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP EON EN29F002NT ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
//EEPROM-EON
//EEP EON EN29F040 ,AMD29f040 5 ,upr=1,vcc=5000
//EEP EON EN29F040A ,AMD29f040 5 ,upr=1,vcc=5000
//EEP EON EN29F004B ,AMD29f040 5 ,upr=1,vcc=5000
//EEP EON EN29F004T ,AMD29f040 5 ,upr=1,vcc=5000
//EEP EON EN29F001 ,P29F 6 ,tmp=5
//EEP EON EN29F002B ,P29F 8 ,tmp=5
//EEP EON EN29F002NB ,P29F 8 ,tmp=5
//EEP EON EN29F002T ,P29F 8 ,tmp=5
//EEP EON EN29F002NT ,P29F 8 ,tmp=5
-----
#EEPROM-EXEL
EEP EXEL 2816 ,P2816 1
EEP EXEL 2816A ,P2816 2
EEP EXEL 28C16 ,P2816 3
EEP EXEL 2817A ,P2816 4
EEP EXEL 28C17 ,P2816 5
EEP EXEL 2864A ,P2816 6
EEP EXEL 28C64 ,P2816 7
EEP EXEL 28HC64 ,P2816 7
EEP EXEL 28C256 ,P28C256 2
#EEPROM-EMTC
//EEP MXIC MX29F1610*44PS ,MX29X161X 1, mem=5,vcc=5000,dly=20, gnd=100,sec=128,vcp=5,era=2901
//EEP EMTC MX29F1610*44PS ,MX29X161X 1, mem=5,vcc=5000,dly=20, gnd=20,sec=128,vcp=5,era=2901
EEP EMTC EM29SF002 ,MX29X161X 2, mem=2,vcc=5000,dly=20, gnd=100,sec=128,vcp=5,era=2901
//EEP EMTC EM29SF002A ,EMTC29SF002 5 ,vcc=5000
//EEP EMTC EM29SF002NA ,EMTC29SF002 5 ,vcc=5000
#EEPROM-FUJITSU
EEP FUJITSU 2816 ,P2816 1
EEP FUJITSU 2816A ,P2816 2
EEP FUJITSU 28C16 ,P2816 3
EEP FUJITSU 2817A ,P2816 4
EEP FUJITSU 28C17 ,P2816 5
EEP FUJITSU 2864A ,P2816 6
EEP FUJITSU 28C64 ,P2816 7
EEP FUJITSU 28HC64 ,P2816 7
-----
EEP FUJITSU 28F256 ,PI28F 1
EEP FUJITSU 28F512 ,PI28F 3
EEP FUJITSU 28F010/A ,PI28F 4
EEP FUJITSU 28F020/A ,PI28F 5
-----
EEP FUJITSU 29F010 ,AMD29f040 1 ,upr=1,vcc=5000
EEP FUJITSU 29F010A ,AMD29f040 1 ,upr=1,vcc=5000
EEP FUJITSU 29F010B ,AMD29f040 1 ,upr=1,vcc=5000
EEP FUJITSU 29F020 ,AMD29f040 2 ,upr=1,vcc=5000
EEP FUJITSU 29F020A ,AMD29f040 2 ,upr=1,vcc=5000
EEP FUJITSU 29F020B ,AMD29f040 2 ,upr=1,vcc=5000
//EEP FUJITSU 29F040 ,AMD29f040 3 ,upr=1,vcc=5000
//EEP FUJITSU 29F040A ,AMD29f040 3 ,upr=1,vcc=5000
//EEP FUJITSU 29F040B ,AMD29f040 3 ,upr=1,vcc=5000
-----
EEP FUJITSU MBM29LV010 ,AMD29f040 3 ,upr=0,vcc=3300
EEP FUJITSU MBM29LV020 ,AMD29f040 4 ,upr=0,vcc=3300
EEP FUJITSU MBM29LV040 ,AMD29f040 5 ,upr=1,vcc=3300

//EEP FUJITSU MBM29DL800TA*34DIP ,P29F640 12 #0,00,da,00,mem=4,vcc=5000,dly=160, era=2901,prt=0,msk=3,cm3=3,ptw=5
-----
-----
EEP FUJITSU MBM29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=1
EEP FUJITSU MBM29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2,cfg=2
EEP FUJITSU MBM29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=3
EEP FUJITSU MBM29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2,cfg=4

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#EEPROM-HYNIX

EEP HYNIX HY29F010 ,AMD29f040 3 ,upr=1,vcc=5000
EEP HYNIX HY29F010B ,AMD29f040 3 ,upr=1,vcc=5000
EEP HYNIX HY29F020 ,AMD29f040 4 ,upr=1,vcc=5000
EEP HYNIX HY29F020B ,AMD29f040 4 ,upr=1,vcc=5000
//EEP HYNIX HY29F040 ,AMD29f040 5 ,upr=1,vcc=5000
//EEP HYNIX HY29F040B ,AMD29f040 5 ,upr=1,vcc=5000

EEP HYNIX HY29LV010B ,AMD29f040 3 ,upr=1,vcc=3300
EEP HYNIX HY29LV020B ,AMD29f040 4 ,upr=1,vcc=3300
EEP HYNIX HY29LV040B ,AMD29f040 5 ,upr=1,vcc=3300

EEP HYNIX HY29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F001BB ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F001BT ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002BB ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002BT ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002NB ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP HYNIX HY29F002NT ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2

EEP HYNIX HY29LV001B ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP HYNIX HY29LV001T ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP HYNIX HY29LV001BB ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP HYNIX HY29LV001BT ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP HYNIX HY29LV002B ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2
EEP HYNIX HY29LV002BB ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2
EEP HYNIX HY29LV002T ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2
EEP HYNIX HY29LV002BT ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2

#EEPROM-HITACHI

EEP HITACHI HN58C65 ,P2816 7
EEP HITACHI HN58C66 ,P2816 7
EEP HITACHI HN58C256A(old),HN58C256A 2,sec=64,len=0x7fff;
EEP HITACHI HN58C256A,HN58C 1,sec=64,len=0x7fff,pkg=28;
EEP HITACHI HN58C1001 ,HN58C 1,sec=128,len=0x1ffff,pkg32;

#EEPROM-INTEL

EEP INTEL i2816 ,P2816 1
EEP INTEL i2816A ,P2816 2
EEP INTEL i28C16 ,P2816 3
EEP INTEL i2817A ,P2816 4
EEP INTEL i28C17 ,P2816 5
EEP INTEL i2864A ,P2816 6
EEP INTEL i28C64 ,P2816 7
EEP INTEL i28HC64 ,P2816 7

EEP INTEL i28F256A ,PI28F 1
EEP INTEL i28F256 ,PI28F 1
EEP INTEL i28F512 ,PI28F 3
EEP INTEL i28F010 ,PI28F 4
EEP INTEL i28F020 ,PI28F 5
EEP INTEL i28F040 ,PI28F 6

EEP INTEL i28F001BX-T ,PI28F001 1
EEP INTEL i28F001BX-B ,PI28F001 2

EEP INTEL N82802AA*32PLCC ,I82802 1
EEP INTEL N82802AB*32PLCC ,I82802 2 #89,ad
EEP INTEL N82802AC*32PLCC ,I82802 3 #89,ac

#EEPROM-ISSI

EEP ISSI IS28F010 ,PI28F 4
EEP ISSI IS28F020 ,PI28F 5

#EEPROM-MICROCHIP

EEP MICROCHIP 2816 ,P2816 1
EEP MICROCHIP 2816A ,P2816 2
EEP MICROCHIP 28C16 ,P2816 3
EEP MICROCHIP 2817A ,P2816 4
EEP MICROCHIP 28C17 ,P2816 5
EEP MICROCHIP 2864A ,P2816 6
EEP MICROCHIP 28C64 ,P2816 7
EEP MICROCHIP 28HC64 ,P2816 7

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#EEPROM-MITSUBISHI
EEP MITSUBISHI 2816 ,P2816 1
EEP MITSUBISHI 2816A ,P2816 2
EEP MITSUBISHI 28C16 ,P2816 3
EEP MITSUBISHI 2817A ,P2816 4
EEP MITSUBISHI 28C17 ,P2816 5
EEP MITSUBISHI 2864A ,P2816 6
EEP MITSUBISHI 28C64 ,P2816 7
EEP MITSUBISHI 28HC64 ,P2816 7
EEP MITSUBISHI M5M28F101P ,PI28F 4
EEP MITSUBISHI M5M28F102P ,PI28F 4
EEP MITSUBISHI M5M28C64A ,P2816 6,ms=40,
```

```
#EEPROM-NEC
EEP NEC 2816 ,P2816 1
EEP NEC 2816A ,P2816 2
EEP NEC 28C16 ,P2816 3
EEP NEC 2817A ,P2816 4
EEP NEC 28C17 ,P2816 5
EEP NEC 2864A ,P2816 6
EEP NEC 28C64 ,P2816 7
EEP NEC 28HC64 ,P2816 7
EEP NEC 28C256 ,P28C256 2
```

```
#EEPROM-OKI
EEP OKI 2816 ,P2816 1
EEP OKI 2816A ,P2816 2
EEP OKI 28C16 ,P2816 3
EEP OKI 2817A ,P2816 4
EEP OKI 28C17 ,P2816 5
EEP OKI 2864A ,P2816 6
EEP OKI 28C64 ,P2816 7
EEP OKI 28HC64 ,P2816 7
```

```
#EEPROM-SAMSUNG
EEP SAMSUNG 2816 ,P2816 1
EEP SAMSUNG 2816A ,P2816 2
EEP SAMSUNG 28C16 ,P2816 3
EEP SAMSUNG 2817A ,P2816 4
EEP SAMSUNG 28C17 ,P2816 5
EEP SAMSUNG 2864A ,P2816 6
EEP SAMSUNG 28C64 ,P2816 7
EEP SAMSUNG 28HC64 ,P2816 7
```

```
#EEPROM-SEEQ
EEP SEEQ 2816 ,P2816 1
EEP SEEQ 2816A ,P2816 2
EEP SEEQ 28C16 ,P2816 3
EEP SEEQ 2817A ,P2816 4
EEP SEEQ 28C17 ,P2816 5
EEP SEEQ 2864A ,P2816 6
EEP SEEQ 28C64 ,P2816 7
EEP SEEQ 28HC64 ,P2816 7
-----
EEP SEEQ 28C256/A ,AT28C256 2
EEP SEEQ 28C010 ,P28CX 4
```

```
#EEPROM-SGS-THOMSON
EEP SGS GS28F256 ,PI28F 1
EEP SGS M28F256A ,PI28F 1
EEP SGS M28F512 ,PI28F 3
EEP SGS M28F101 ,PI28F 4
EEP SGS M28F102 ,PI28F 4
EEP SGS M28F1001 ,PI28F 4
EEP SGS M28F201 ,PI28F 5
-----
```

```
#EEPROM-ST
EEP ST M50FW002*32PLCC ,I82802 2
EEP ST M50FW040*32PLCC ,I82802 2
EEP ST M50FW080*32PLCC ,I82802 3
//EEP ST M50FW016*32PLCC ,I82802 4
EEP ST M29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
-----
EEP ST M29W001B ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
```

EEP ST M29W001T ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP ST M29W002B ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2
EEP ST M29W002T ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2

#EEPROM-SST

EEP SST SST27SF256 ,SST27SF 1 ,vcc=5000
EEP SST SST27SF512 ,SST27SF 2 ,vcc=5000
EEP SST SST27SF010 ,SST27SF 3 ,vcc=5000
EEP SST SST27SF020 ,SST27SF 4 ,vcc=5000
EEP SST SST27VF010 ,SST27SF 3 ,vcc=3300
EEP SST SST27VF020 ,SST27SF 4 ,vcc=3300

EEP SST SST37VF512 ,SST27SF 6 ,vcc=3300
EEP SST SST37VF010 ,SST27SF 7 ,vcc=3300
EEP SST SST37VF020 ,SST27SF 8 ,vcc=3300
EEP SST SST37VF040 ,SST27SF 9 ,vcc=3300

EEP SST SST2816 ,P2816 1
EEP SST SST2816A ,P2816 2
EEP SST SST28C16 ,P2816 3
EEP SST SST2817A ,P2816 4
EEP SST SST28C17 ,P2816 5
EEP SST SST2864A ,P2816 6
EEP SST SST28C64 ,P2816 7
EEP SST SST28HC64 ,P2816 7

EEP SST SST28C256/A ,P28C256 2

EEP SST SST28SF040A ,SST28VF040 6 ,vcc=5000
EEP SST SST28VF040A ,SST28VF040 6 ,vcc=3300

EEP SST SST29EE512 ,SST29EE 3
EEP SST SST29EE010 ,SST29EE 4
EEP SST SST29EE020 ,SST29EE 5
EEP SST SST29EE040 ,SST29EE 6

EEP SST SST29LE512 ,SST29EE 3 ,vcc=3300
EEP SST SST29LE010 ,SST29EE 4 ,vcc=3300
EEP SST SST29LE020 ,SST29EE 5 ,vcc=3300
EEP SST SST29LE040 ,SST29EE 6 ,vcc=3300

EEP SST SST29VE512 ,SST29EE 3 ,vcc=2500
EEP SST SST29VE010 ,SST29EE 4 ,vcc=2500
EEP SST SST29VE020 ,SST29EE 5 ,vcc=2500
EEP SST SST29VE040 ,SST29EE 6 ,vcc=2500

EEP SST SST29SF512 ,P29F640 13,dly=50,prt=1,msk=2,mem=0,vcc=5000,
EEP SST SST29SF010 ,P29F640 13,dly=50,prt=1,msk=2,mem=1,vcc=5000,
EEP SST SST29SF020 ,P29F640 13,dly=50,prt=1,msk=2,mem=2,vcc=5000,
EEP SST SST29SF040 ,P29F640 13,dly=50,prt=1,msk=2,mem=3,vcc=5000,

EEP SST SST29VF512 ,P29F640 13,dly=50,prt=1,msk=2,mem=0,vcc=3300,
EEP SST SST29VF010 ,P29F640 13,dly=50,prt=1,msk=2,mem=1,vcc=3300,
EEP SST SST29VF020 ,P29F640 13,dly=50,prt=1,msk=2,mem=2,vcc=3300,
EEP SST SST29VF040 ,P29F640 13,dly=50,prt=1,msk=2,mem=3,vcc=3300,

EEP SST SST39SF512 ,P29F640 13,dly=50,prt=1,msk=2,mem=0,vcc=5000,
EEP SST SST39SF010 ,P29F640 13,dly=50,prt=1,msk=2,mem=1,vcc=5000,
EEP SST SST39SF020 ,P29F640 13,dly=50,prt=1,msk=2,mem=2,vcc=5000,
EEP SST SST39SF040 ,P29F640 13,dly=50,prt=1,msk=2,mem=3,vcc=5000,

EEP SST SST39LF512 ,P29F640 13,dly=50,prt=1,msk=2,mem=0,vcc=3300,
EEP SST SST39LF010 ,P29F640 13,dly=50,prt=1,msk=2,mem=1,vcc=3300,
EEP SST SST39LF020 ,P29F640 13,dly=50,prt=1,msk=2,mem=2,vcc=3300,
EEP SST SST39LF040 ,P29F640 13,dly=50,prt=1,msk=2,mem=3,vcc=3300,

EEP SST SST39VF512 ,P29F640 13,dly=50,prt=0,msk=2,mem=0,vcc=3300,
EEP SST SST39VF010 ,P29F640 13,dly=50,prt=0,msk=2,mem=1,vcc=3300,
EEP SST SST39VF020 ,P29F640 13,dly=50,prt=0,msk=2,mem=2,vcc=3300,
EEP SST SST39VF040 ,P29F640 13,dly=50,prt=0,msk=2,mem=3,vcc=3300,
EEP ST M29F001B ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F001T ,P29F640 7,mem=1,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F002B ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2
EEP ST M29F002T ,P29F640 7,mem=2,vcc=5000,dly=50,prt=1,msk=2

EEP ST M29W001B ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2
EEP ST M29W001T ,P29F640 7,mem=1,vcc=3300,dly=50,prt=1,msk=2

EEP ST M29W002B ,P29F640 7,mem=2,vcc=330,dly=50,prt=1,msk=2
EEP ST M29W002T ,P29F640 7,mem=2,vcc=3300,dly=50,prt=1,msk=2

// FWH FLASH

EEP SST SST49LF002 ,SST49LF008 1
EEP SST SST49LF002A ,SST49LF008 1 #BF,57
EEP SST SST49LF003 ,SST49LF008 2
EEP SST SST49LF003A ,SST49LF008 2 #BF,1B
EEP SST SST49LF004 ,SST49LF008 3
EEP SST SST49LF004A ,SST49LF008 3 #BF,60
EEP SST SST49LF008 ,SST49LF008 4
EEP SST SST49LF008A ,SST49LF008 4 #BF,5A

EEP SST SST49LF002B ,SST49LF008 1
EEP SST SST49LF003B ,SST49LF008 2
EEP SST SST49LF004B ,SST49LF008 3

// LPC FLASH

EEP SST SST49LF020 ,SST49LF008 1 #BF,61
EEP SST SST49LF020A ,SST49LF008 1 #BF,52
EEP SST SST49LF020? ,SST49LF008 1 #00,00
EEP SST SST49LF030A ,SST49LF008 2 #BF,1C
EEP SST SST49LF040 ,SST49LF008 3 #BF,51
EEP SST SST49LF040b ,SST49LF008 3 #BF,50
EEP SST SST49LF080A ,SST49LF008 4 #BF,5B

#EEPROM-SYNCMOS

EEP SYNCMOS F29C51001T ,V29C51004 3 ,vcc=5000
EEP SYNCMOS F29C51001B ,V29C51004 3 ,vcc=5000
EEP SYNCMOS F29C51002T ,V29C51004 4 ,vcc=5000
EEP SYNCMOS F29C51002B ,V29C51004 4 ,vcc=5000
EEP SYNCMOS F29C51004T ,V29C51004 5 ,vcc=5000
EEP SYNCMOS F29C51004B ,V29C51004 5 ,vcc=5000
EEP SYNCMOS S29C51001T ,V29C51004 3 ,vcc=5000
EEP SYNCMOS S29C51001B ,V29C51004 3 ,vcc=5000
EEP SYNCMOS S29C51002T ,V29C51004 4 ,vcc=5000
EEP SYNCMOS S29C51002B ,V29C51004 4 ,vcc=5000
EEP SYNCMOS S29C51004T ,V29C51004 5 ,vcc=5000
EEP SYNCMOS S29C51004B ,V29C51004 5 ,vcc=5000

EEP SYNCMOS F29C31001T ,V29C51004 3 ,vcc=3300
EEP SYNCMOS F29C31001B ,V29C51004 3 ,vcc=3300
EEP SYNCMOS F29C31002T ,V29C51004 4 ,vcc=3300
EEP SYNCMOS F29C31002B ,V29C51004 4 ,vcc=3300
EEP SYNCMOS F29C31004T ,V29C51004 5 ,vcc=3300
EEP SYNCMOS F29C31004B ,V29C51004 5 ,vcc=3300
EEP SYNCMOS S29C31001T ,V29C51004 3 ,vcc=3300
EEP SYNCMOS S29C31001B ,V29C51004 3 ,vcc=3300
EEP SYNCMOS S29C31002T ,V29C51004 4 ,vcc=3300
EEP SYNCMOS S29C31002B ,V29C51004 4 ,vcc=3300
EEP SYNCMOS S29C31004T ,V29C51004 5 ,vcc=3300
EEP SYNCMOS S29C31004B ,V29C51004 5 ,vcc=3300

#EEPROM-TI

EEP TI TMS29F256 ,P29F 1
EEP TI TMS29F258 ,P29F 1
EEP TI TMS29F259 ,P29F 1
EEP TI TMS29F010 ,AMD29f040 3 ,upr=3,vcc=5000
EEP TI TMS29F020 ,AMD29f040 4 ,upr=3,vcc=5000
//EEP TI TMS29F040 ,AMD29f040 5 ,upr=3,vcc=5000

#EEPROM-TOSHIBA

EEP TOSHIBA TC58257AP ,PI28F 2
EEP TOSHIBA TC58257AP-LV ,PI28F 2
EEP TOSHIBA TC58F1001P ,PI28F 4

#EEPROM-VLSI

EEP VLSI 2816 ,P2816 1
EEP VLSI 2816A ,P2816 2
EEP VLSI 28C16 ,P2816 3
EEP VLSI 2817A ,P2816 4
EEP VLSI 28C17 ,P2816 5
EEP VLSI 2864A ,P2816 6
EEP VLSI 28C64 ,P2816 7
EEP VLSI 28HC64 ,P2816 7
EEP VLSI 28C256/A ,P28C 1

```
EEP VLSI 29C010 ,P28CX 4
#EEPROM-MOSEL
EEP MOSEL V29C51001T ,V29C51004 3 ,vcc=5000
EEP MOSEL V29C51001B ,V29C51004 3 ,vcc=5000
EEP MOSEL V29C51002T ,V29C51004 4 ,vcc=5000
EEP MOSEL V29C51002B ,V29C51004 4 ,vcc=5000
EEP MOSEL V29C51004T ,V29C51004 5 ,vcc=5000
EEP MOSEL V29C51004B ,V29C51004 5 ,vcc=5000
EEP MOSEL F29C51001T ,V29C51004 3 ,vcc=5000
EEP MOSEL F29C51001B ,V29C51004 3 ,vcc=5000
EEP MOSEL F29C51002T ,V29C51004 4 ,vcc=5000
EEP MOSEL F29C51002B ,V29C51004 4 ,vcc=5000
EEP MOSEL F29C51004T ,V29C51004 5 ,vcc=5000
EEP MOSEL F29C51004B ,V29C51004 5 ,vcc=5000
```

```
#EEPROM-XICOR
EEP XICOR X2816 ,P2816 1
EEP XICOR X2816A ,P2816 2
EEP XICOR X2816B ,P2816 2
EEP XICOR X28C16 ,P2816 3
EEP XICOR X28C16A ,P2816 3
EEP XICOR X28C16B ,P2816 3
EEP XICOR X2817A ,P2816 4
EEP XICOR X28C17 ,P2816 5
EEP XICOR X2864A ,P2816 6
```

```
EEP XICOR X28C64 ,X28HC256 1,len=0x2000,pag=64,
EEP XICOR X28HC64 ,X28HC256 1,len=0x2000,pag=64,
EEP XICOR X28C256 ,X28HC256 2,len=0x8000,pag=128,
EEP XICOR X28HC256 ,X28HC256 2,len=0x8000,pag=128,
EEP XICOR X28TC256 ,X28HC256 2,len=0x8000,pag=128,
EEP XICOR X28VC256 ,X28HC256 2,len=0x8000,pag=128,
```

```
EEP XICOR X28C64*32PIN ,X28HC256 3,len=0x2000,pag=64,
EEP XICOR X28HC64*32PIN ,X28HC256 3,len=0x2000,pag=64,
EEP XICOR X28C256*32PIN ,X28HC256 4,len=0x8000,pag=128,
EEP XICOR X28HC256*32PIN ,X28HC256 4,len=0x8000,pag=128,
EEP XICOR X28TC256*32PIN ,X28HC256 4,len=0x8000,pag=128,
EEP XICOR X28VC256*32PIN ,X28HC256 4,len=0x8000,pag=128,
```

```
EEP XICOR X28C010 ,X28HC256 5,len=0x20000,pag=256,
EEP XICOR X28HT010 ,X28HC256 5,len=0x20000,pag=256,
EEP XICOR X28C020 ,X28HC256 6,len=0x40000,pag=256,
EEP XICOR X28HT020 ,X28HC256 6,len=0x40000,pag=256,
```

```
-----
#EEPROM-LINKSMART
EEP LINKSMART LST28001 ,SST29XF 3
EEP LINKSMART LST28002 ,SST29XF 4
EEP LINKSMART LST28004 ,SST29XF 5
-----
```

```
#EEPROM-PMC
EEP PMC PM37VF512 ,SST27SF 6 ,vcc=3300
EEP PMC PM37VF010 ,SST27SF 7 ,vcc=3300
EEP PMC PM37VF020 ,SST27SF 8 ,vcc=3300
EEP PMC PM29F002 ,SST29XF 4
EEP PMC PM29F004 ,SST29XF 5
EEP PMC PM29LV002 ,SST29XF 8
EEP PMC PM29LV004 ,SST29XF 9
EEP PMC PM39LV512 ,SST29XF 6
EEP PMC PM39LV010 ,SST29XF 7
EEP PMC PM39LV020 ,SST29XF 8
EEP PMC PM39LV040 ,SST29XF 9
// FWH FLASH
EEP PMC PM49FL002 ,SST49LF008 1
EEP PMC PM49FL004 ,SST49LF008 3
-----
```

```
#EEPROM-PTC
EEP PTC PT28C010 ,PTC28C 1,vcc=5000,
EEP PTC PT28C020 ,PTC28C 2,vcc=5000,
-----
```

```
##MPU-COLIGEN
//MPU COLIGEN PKS-01 ,PKS010 1
```

```
#MPU-AMD
MPU AMD 87C51(40P), PHI8758 2 ,len=0x1000,pkg=40
MPU AMD 87C52(40P),PHI8758 4 ,len=0x2000,pkg=40
MPU AMD 87C54(40P),PHI8758 5 ,len=0x4000,pkg=40
```


MPU AMD 87C58(40P),PHI8758 5 ,len=0x8000,pkg=40

#MPU-ATMEL

MPU ATMEL AT80F51 ,P89C51 6

MPU ATMEL AT80F52 ,P89C51 7

MPU ATMEL AT87F51 ,P89C51 8

MPU ATMEL AT87F52 ,P89C51 9

MPU ATMEL AT87F55WD ,P89C5WD 0 #1e,87,05,fla=20480,otp=1

MPU ATMEL AT87F51RC ,P89C5WD 0 #1e,87,07,fla=32768,otp=1

MPU ATMEL AT89C51 ,P89C51 1 #1e,51,ff

MPU ATMEL AT89LV51 ,P89C51 2 #1e,61,ff

MPU ATMEL AT89C52 ,P89C51 3 #1e,52,ff

MPU ATMEL AT89LV52 ,P89C51 4 #1e,62,ff

MPU ATMEL AT89C55 ,P89C51 5 #1e,55,ff

MPU ATMEL AT89LV55 ,P89C51 5 #1e,65,ff

MPU ATMEL AT89C55WD ,P89C5WD 0 #1e,55,06,fla=20480,otp=0

MPU ATMEL AT89C51RC ,P89C5WD 0 #1e,51,07,fla=32768,otp=0

MPU ATMEL AT89S51 ,AT89S5X 1 #1e,61,06

MPU ATMEL AT89LS51 ,AT89S5X 1 #1e,61,06

MPU ATMEL AT89S52 ,AT89S5X 2 #1e,62,06

MPU ATMEL AT89LS52 ,AT89S5X 2 #1e,62,06

MPU ATMEL AT89C1051 ,P2051 1 #1e,21,ff

MPU ATMEL AT89LV1051 ,P2051 1 #1e,21,ff

MPU ATMEL AT89C2051 ,P2051 2 #1e,21,ff

MPU ATMEL AT89LV2051 ,P2051 2 #1e,21,ff

MPU ATMEL AT89C4051 ,P2051 3 #1e,41,ff

MPU ATMEL AT89LV4051 ,P2051 3 #1e,41,ff

MPU ATMEL AT89S2051 ,P89S2051 1 #1e,23,ff,len=0x7ff,

MPU ATMEL AT89S4051 ,P89S2051 1 #1e,43,ff,len=0xffff,

MPU ATMEL AT89S8252 ,AT89X8252 1

MPU ATMEL AT89LS8252 ,AT89X8252 1

MPU ATMEL AT89S8252 ,AT89X8252 2

MPU ATMEL AT89LS8252 ,AT89X8252 2

MPU ATMEL AT89S8253 ,AT89S8253 1 #1e,73

MPU ATMEL AT89LS8253 ,AT89S8253 1 #1e,73

MPU ATMEL AT89S53 ,AT89X8252 3

MPU ATMEL AT89LS53 ,AT89X8252 3

MPU ATMEL AT89LP51,AT89LP52ISP 0 ,vcc=3300,len=0x1000,ee=256,cfg=0,pkg=40;

MPU ATMEL AT89LP52,AT89LP52ISP 0 ,vcc=3300,len=0x2000,ee=256,cfg=0,pkg=40;

MPU ATMEL AT89LP213(14P),AT89LPXXXISP 0 ,vcc=3300,len=0x0800,ee=0,cfg=0,sec=32,pkg=14;

MPU ATMEL AT89LP214(14P),AT89LPXXXISP 0 ,vcc=3300,len=0x0800,ee=0,cfg=0,sec=32,pkg=14;

MPU ATMEL AT89LP216(16P),AT89LPXXXISP 0 ,vcc=3300,len=0x0800,ee=0,cfg=0,sec=32,pkg=16;

MPU ATMEL AT89LP428(28P),AT89LPXXXISP 0 ,vcc=3300,len=0x1000,ee=0,cfg=1,sec=64,pkg=28;

MPU ATMEL AT89LP828(28P),AT89LPXXXISP 0 ,vcc=3300,len=0x2000,ee=0,cfg=1,sec=64,pkg=28;

MPU ATMEL AT89LP3240(40P),AT89LPXXXISP 0 ,vcc=3300,len=0x8000,ee=0x2000,cfg=1,sec=64,pkg=40;

MPU ATMEL AT89LP3240(44P),AT89LPXXXISP 0 ,vcc=3300,len=0x8000,ee=0x2000,cfg=1,sec=64,pkg=45;

MPU ATMEL AT89LP6440(40P),AT89LPXXXISP 0 ,vcc=3300,len=0x10000,ee=0x2000,cfg=1,sec=64,pkg=40;

MPU ATMEL AT89LP6440(44P),AT89LPXXXISP 0 ,vcc=3300,len=0x10000,ee=0x2000,cfg=1,sec=64,pkg=45;

MPU ATMEL AT89LP2052(20P),AT89LP2052 0 ,vcc=3300,len=0x0800,ee=0,cfg=0,sec=32,pkg=20;

MPU ATMEL AT89LP4052(20P),AT89LP2052 0 ,vcc=3300,len=0x1000,ee=0,cfg=0,sec=32,pkg=20;

MPU ATMEL AT89LP2052(ISP),AT89LP2052ISP 0 ,vcc=3300,len=0x0800,ee=0,cfg=0,sec=32,pkg=20;

MPU ATMEL AT89LP4052(ISP),AT89LP2051ISP 0 ,vcc=3300,len=0x1000,ee=0,cfg=0,sec=32,pkg=20;

MPU ATMEL T89C51RB2 ,T89C51RC2 2

MPU ATMEL T89C51RC2 ,T89C51RC2 3

MPU ATMEL T89C51RD2 ,T89C51RD2 4

MPU ATMEL AT89C51RB2,AT89C51RD2 2

MPU ATMEL AT89C51EB2,AT89C51RD2 2

MPU ATMEL AT89C51IB2,AT89C51RD2 2 ,osc=2

MPU ATMEL AT89C51RC2,AT89C51RD2 3

MPU ATMEL AT89C51EC2,AT89C51RD2 3

```

MPU ATMEL AT89C51IC2,AT89C51RD2 3 ,osc=2
MPU ATMEL AT89C51RD2 ,AT89C51RD2 4
MPU ATMEL AT89C51ED2 ,AT89C51RD2 4
MPU ATMEL AT89C51ID2,AT89C51RD2 4 ,osc=2
MPU ATMEL AT89S54 ,AT89C51RD2 2
MPU ATMEL AT89S58 ,AT89C51RD2 3
MPU ATMEL AT89S64 ,AT89C51RD2 4
-----
//AT87F55WD 20K,P89C5WD 6 #1e,87,05
//AT87F51RC 32K,P89C5WD 9 #1e,87,07
//-----
MPU ATMEL AT90S1200 ,AT90S 1
MPU ATMEL AT90S2313 ,AT90S 2
-----
MPU ATMEL AT90S4414 ,AT90S8515 1
MPU ATMEL AT90LS4414 ,AT90S8515 1
MPU ATMEL AT90S8515 ,AT90S8515 2
MPU ATMEL AT90LS8515 ,AT90S8515 2
-----
MPU ATMEL AT90S4434 ,AT90S8535 3
MPU ATMEL AT90S8535 ,AT90S8535 4
MPU ATMEL AT90LS8535 ,AT90S8535 4
MPU ATMEL AT90S4434 ,AT90S8535 4
MPU ATMEL AT90LS4434 ,AT90S8535 4
-----
MPU ATMEL AT90S2333 ,AT90S2333 1
MPU ATMEL AT90S4433 ,AT90S2333 2
----
MPU ATMEL ATTINY13,ATTINY25V 1 #1e,90,07,cfg=1,pkg=8,pgs=32,len=0x03ff,ee=64
MPU ATMEL ATTINY13V,ATTINY25V 1 #1e,90,07,cfg=1,pkg=8,pgs=32,len=0x03ff,ee=64
MPU ATMEL ATTINY13A,ATTINY25V 1 #1e,90,07,cfg=1,pkg=8,pgs=32,len=0x03ff,ee=64

MPU ATMEL ATTINY25/V,ATTINY25V 1 #1e,91,08,cfg=2,pkg=8,pgs=32,len=0x07ff,ee=128
MPU ATMEL ATTINY45/V,ATTINY25V 1 #1e,92,06,cfg=2,pkg=8,pgs=64,len=0x0fff,ee=256
MPU ATMEL ATTINY85/V,ATTINY25V 1 #1e,93,0b,cfg=2,pkg=8,pgs=64,len=0x1fff,ee=512

MPU ATMEL ATTINY24/A,ATTINY24A 1 #1e,91,0b,cfg=2,pkg=14,pgs=32,len=0x07ff,ee=128
MPU ATMEL ATTINY44/A,ATTINY24A 1 #1e,92,07,cfg=2,pkg=14,pgs=64,len=0x0fff,ee=256
MPU ATMEL ATTINY84/A,ATTINY24A 1 #1e,93,0c,cfg=2,pkg=14,pgs=64,len=0x1fff,ee=512

MPU ATMEL ATTINY11(Hi) ,ATTINY1 1 #1e,90,04,cfg=1
MPU ATMEL ATTINY12(Hi) ,ATTINY1 2 #1e,90,05,cfg=2
MPU ATMEL ATTINY13(ISP) ,ATMEGA_ALL_ISP 2 ,pkg=8,cfg=13,fus=2,cal=1,osc=0,vcc=5000,len=0x400,fps=32,ee=64,eps=4,s53=1;
//MPU ATMEL ATTINY13(Hi) ,ATTINY13 1 #1e,90,07,cfg=3
MPU ATMEL ATTINY15L(Hi) ,ATTINY1 3 #1e,90,06,cfg=5
-----
//MPU ATMEL ATTINY25(Hi),ATTINY25 1 #1e,91,08,cfg=1,pkg=8 //æœ°é€šè¿†
MPU ATMEL ATTINY25(ISP) ,ATMEGA_ALL_ISP 2 ,pkg=8,cfg=16,fus=3,cal=1,osc=0,vcc=3300,len=0x800,fps=32,ee=64,eps=4,s53=1;
MPU ATMEL ATTINY45(ISP) ,ATMEGA_ALL_ISP 2 ,pkg=8,cfg=16,fus=3,cal=1,osc=0,vcc=3300,len=0x1000,fps=64,ee=64,eps=4,s53=1;
MPU ATMEL ATTINY45(ISP) ,ATMEGA_ALL_ISP 2 ,pkg=8,cfg=16,fus=3,cal=1,osc=0,vcc=3300,len=0x2000,fps=64,ee=64,eps=4,s53=1;
-----
//MPU ATMEL ATTINY26 ,ATTINY2 1 #1e,91,09,pkg=20
//MPU ATMEL ATTINY26L ,ATTINY2 1 #1e,91,09,,pkg=20
MPU ATMEL ATTINY26(12V),ATTINY26HI 1 #1e,91,09,pkg=20
MPU ATMEL ATTINY26L(12V),ATTINY26HI 1 #1e,91,09,,pkg=20
-----
MPU ATMEL ATTINY28L ,ATTINY28 1 #1e,91,07,
MPU ATMEL ATTINY28V ,ATTINY28 1 #1e,91,07,
-----
MPU ATMEL ATTINY2313(DIP20) ,ATTINY2313 1 #1e,91,0a
MPU ATMEL ATTINY2313V(DIP20),ATTINY2313 1 #1e,91,0a
//MPU ATMEL ATTINY25 ,ATTINY25 2 #1e,91,08,pkg=8
//MPU ATMEL ATTINY25V ,ATTINY25 2 #1e,91,08,pkg=8
//MPU ATMEL ATTINY45 ,ATTINY25 3 #1e,92,06,pkg=8
//MPU ATMEL ATTINY45V ,ATTINY25 3 #1e,92,06,pkg=8
//MPU ATMEL ATTINY85 ,ATTINY25 4 #1e,93,0b,pkg=8
//MPU ATMEL ATTINY85V ,ATTINY25 4 #1e,93,0b,pkg=8
-----
MPU ATMEL ATMEGA8 ,ATMEGA_ALL 2 ,pkg=28,cfg=7,fus=2,cal=4,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA8L ,ATMEGA_ALL 2 ,pkg=28,cfg=7,fus=2,cal=4,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA8A ,ATMEGA_ALL 2 ,pkg=28,cfg=7,fus=2,cal=4,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;

MPU ATMEL ATMEGA16 ,ATMEGA_ALL 2 ,pkg=41,cfg=8,fus=2,cal=4,osc=2,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;
MPU ATMEL ATMEGA16L ,ATMEGA_ALL 2 ,pkg=41,cfg=8,fus=2,cal=4,osc=2,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;
MPU ATMEL ATMEGA16A ,ATMEGA_ALL 2 ,pkg=41,cfg=8,fus=2,cal=4,osc=2,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;

MPU ATMEL ATMEGA8535 ,ATMEGA_ALL 2 ,pkg=41,cfg=9,fus=2,cal=0,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;

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MPU ATMEL ATMEGA8535L ,ATMEGA_ALL 2 ,pkg=41,cfg=9,fus=2,cal=0,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA8515 ,ATMEGA_ALL 2 ,pkg=40,cfg=9,fus=2,cal=0,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA8515L ,ATMEGA_ALL 2 ,pkg=40,cfg=9,fus=2,cal=0,osc=2,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA32 ,ATMEGA_ALL 2 ,pkg=41,cfg=8,fus=2,cal=4,osc=2,vcc=5000,len=0x8000,fps=128,ee=1024,eps=4;
MPU ATMEL ATMEGA32L ,ATMEGA_ALL 2 ,pkg=41,cfg=8,fus=2,cal=4,osc=2,vcc=5000,len=0x8000,fps=128,ee=1024,eps=4;
-----
MPU ATMEL ATMEGA64L(64to40p) ,ATMEGA_ALL 2 ,pkg=64,cfg=14,fus=3,cal=4,osc=2,vcc=5000,len=0x10000,fps=256,ee=2048,eps=8;
MPU ATMEL ATMEGA128L(64to40p),ATMEGA_ALL 2 ,pkg=64,cfg=14,fus=3,cal=4,osc=2,vcc=5000,len=0x20000,fps=256,ee=4096,eps=8;
MPU ATMEL ATMEGA64L(64to28p) ,ATMEGA_ALL 2 ,pkg=29,cfg=14,fus=3,cal=4,osc=2,vcc=5000,len=0x10000,fps=256,ee=2048,eps=8;
MPU ATMEL ATMEGA128L(64to28p),ATMEGA_ALL 2 ,pkg=29,cfg=14,fus=3,cal=4,osc=2,vcc=5000,len=0x20000,fps=256,ee=4096,eps=8;
-----
MPU ATMEL ATMEGA48*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=0,fus=3,cal=1,osc=1,vcc=5000,len=0x1000,fps=64,ee=256,eps=4;
MPU ATMEL ATMEGA88*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA88P*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA88PA*PDIP28,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA168*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;
MPU ATMEL ATMEGA328*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x8000,fps=128,ee=1024,eps=4;
MPU ATMEL ATMEGA328V*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x8000,fps=128,ee=1024,eps=4;
MPU ATMEL ATMEGA48V*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x1000,fps=64,ee=256,eps=4;
MPU ATMEL ATMEGA88V*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x2000,fps=64,ee=512,eps=4;
MPU ATMEL ATMEGA48PA*PDIP28 ,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x1000,fps=64,ee=256,eps=4;

MPU ATMEL ATMEGA168V*PDIP28,ATMEGA_ALL 2 ,pkg=28,cfg=1,fus=3,cal=1,osc=1,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;
-----
MPU ATMEL ATMEGA162*DIP40 ,ATMEGA_ALL 2 ,pkg=40,cfg=13,fus=3,cal=1,osc=1,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;

MPU ATMEL ATMEGA164*PDIP40 ,ATMEGA_ALL 2 ,pkg=40,cfg=3,fus=3,cal=1,osc=1,vcc=5000,len=0x4000,fps=128,ee=512,eps=4;

-----
MPU ATMEL ATMEGA161 ,ATMEGA161 1 #1e,94,01
MPU ATMEL ATMEGA161L ,ATMEGA161 1
MPU ATMEL ATMEGA163 ,ATMEGA163 3 #1e,94,02,
MPU ATMEL ATMEGA163L ,ATMEGA163 3 #1e,94,02,
//-----
MPU ATMEL AT90S2323 ,AT90S2323HI 1 #1e,91,02
MPU ATMEL AT90LS2323 ,AT90S2323HI 1 #1e,91,02
MPU ATMEL AT90S2343 ,AT90S2323HI 2 #1e,91,03
MPU ATMEL AT90LS2343 ,AT90S2323HI 2 #1e,91,03
//-----
//MPU ATMEL AT90S2323 ,AT90S2323 1 #1e,91,02
//MPU ATMEL AT90LS2323 ,AT90S2323 1 #1e,91,02
//MPU ATMEL AT90S2343 ,AT90S2323 2 #1e,91,03
//MPU ATMEL AT90LS2343 ,AT90S2323 2 #1e,91,03
#MPU-DALLAS
MPU DALLAS DS87C520 ,DS87C520 1 #da,20,01
-----
MPU DALLAS DS89C420 ,DS89C4X0 1 #00,42,01
MPU DALLAS DS89C430 ,DS89C4X0 2 #00,43,01
MPU DALLAS DS89C440 ,DS89C4X0 3 #00,44,01
MPU DALLAS DS89C450 ,DS89C4X0 4 #00,45,01
-----
#MPU-SST
MPU SST SST89C54 ,SST89C5X 1
MPU SST SST89C58 ,SST89C5X 2
MPU SST SST89F54 ,SST89C5X 1
MPU SST SST89F58 ,SST89C5X 2
-----
MPU SST SST89E564RD2/RD(DIP40) ,SST89E564A 0 #bf,91,len=0x10000,pkg=40;
MPU SST SST89V564RD2/RD(DIP40) ,SST89E564A 0 #bf,90,len=0x10000,pkg=40;
MPU SST SST89E516RD2/RD(DIP40) ,SST89E564A 0 #bf,93,len=0x10000,pkg=40;
MPU SST SST89V516RD2/RD(DIP40) ,SST89E564A 0 #bf,92,len=0x10000,pkg=40;
-----
MPU SST SST89E554RD2/RD(DIP40) ,SST89E554A 0 #bf,99,len=0x8000,pkg=40;
MPU SST SST89V554RD2/RD(DIP40) ,SST89E554A 0 #bf,98,len=0x8000,pkg=40;
-----
MPU SST SST89E52RD2/RD(DIP40) ,SST89E554A 0 #bf,9d,len=0x2000,pkg=40;
MPU SST SST89V52RD2/RD(DIP40) ,SST89E554A 0 #bf,9c,len=0x2000,pkg=40;
MPU SST SST89E54RD2/RD(DIP40) ,SST89E554A 0 #bf,9f,len=0x4000,pkg=40;
MPU SST SST89V54RD2/RD(DIP40) ,SST89E554A 0 #bf,9e,len=0x4000,pkg=40;
MPU SST SST89E58RD2/RD(DIP40) ,SST89E554A 0 #bf,9b,len=0x8000,pkg=40;
MPU SST SST89V58RD2/RD(DIP40) ,SST89E554A 0 #bf,9a,len=0x8000,pkg=40;

#MPU-PDK
MPU PDK PDK10C32,STC89_09 2 ,vcc=5000,len=0x8000
MPU PDK PDK10C64(60k),STC89_09 2 ,vcc=5000,len=0xf800
MPU PDK PDK10C64(63k),STC89_09 2 ,vcc=5000,len=0xfc00

//#MPU-STC__89C_ISP

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//MPU STC__89C_ISP STC89C52RC(ISP),STC89C52ISP 1,vcc=5000,len=0x2000,pkg=40

#MPU-STK

MPU STK STK6033BDIG(DIP40-16K) ,STK6000 2 ,vcc=5000,len=0x4000,
MPU STK STK6033BSOG(SOP20-16K) ,STK6000 5 ,vcc=5000,len=0x4000,
MPU STK STK6031(DIP40-64K) ,STK6000 2 ,vcc=5000,len=0x10000,
MPU STK STK6032(DIP40-64K) ,STK6000 2 ,vcc=5000,len=0x10000,
MPU STK STK6052(as 8K) ,STK6000 2 ,vcc=5000,len=0x2000,

#MPU-MEGAWIN

MPU MEGAWIN MPC89E51A ,STC89 1 ,vcc=3300
MPU MEGAWIN MPC89E52A ,STC89 2 ,vcc=3300
MPU MEGAWIN MPC89E53A ,STC89 3 ,vcc=3300
MPU MEGAWIN MPC89E54A ,STC89 4 ,vcc=3300
MPU MEGAWIN MPC89E58A ,STC89 5 ,vcc=3300
MPU MEGAWIN MPC89E515A ,STC89 6 ,vcc=3300
MPU MEGAWIN MPC89E516A ,STC89 6 ,vcc=3300

MPU MEGAWIN MPC89L51A ,STC89 1 ,vcc=3300
MPU MEGAWIN MPC89L52A ,STC89 2 ,vcc=3300
MPU MEGAWIN MPC89L53A ,STC89 3 ,vcc=3300
MPU MEGAWIN MPC89L54A ,STC89 4 ,vcc=3300
MPU MEGAWIN MPC89L58A ,STC89 5 ,vcc=3300
MPU MEGAWIN MPC89L516A ,STC89 6 ,vcc=3300

MPU MEGAWIN MPC82E52AE(DIP20) ,STC12CX 2 ,pkg=20,
MPU MEGAWIN MPC82E52AS(SOP20) ,STC12CX 2 ,pkg=20,
MPU MEGAWIN MPC82E52AT(TSSOP20) ,STC12CX 2 ,pkg=20,

MPU MEGAWIN MPC82L52AE(DIP20) ,STC12CX 2 ,pkg=20,
MPU MEGAWIN MPC82L52AS(SOP20) ,STC12CX 2 ,pkg=20,
MPU MEGAWIN MPC82L52AT(TSSOP20) ,STC12CX 2 ,pkg=20,

MPU MEGAWIN MPC82E54AE(DIP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82E54AE2(DIP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82E54AP(PLCC32) ,STC12CX 4 ,pkg=32,len=15871
MPU MEGAWIN MPC82E54AE(SOP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82E54AS2(SOP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82E54AS3(SSOP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82E54AT(TSSOP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82E54AT2(TSOP28) ,STC12CX 4 ,pkg=28,len=15871

MPU MEGAWIN MPC82L54AE(DIP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82L54AE2(DIP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82L54AP(PLCC32) ,STC12CX 4 ,pkg=32,len=15871
MPU MEGAWIN MPC82L54AE(SOP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82L54AS2(SOP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82L54AS3(SSOP28) ,STC12CX 4 ,pkg=28,len=15871
MPU MEGAWIN MPC82L54AT(TSSOP20) ,STC12CX 4 ,pkg=20,len=15871
MPU MEGAWIN MPC82L54AT2(TSOP28) ,STC12CX 4 ,pkg=28,len=15871

#MPU-SYNCMOS

MPU SYNCMOS SM2952 ,PSM2952 2
MPU SYNCMOS SM2958 ,MSU2958 8
MPU SYNCMOS SM2964 ,MSU2964 1
MPU SYNCMOS SM2965 ,SM59064 6

MPU SYNCMOS SM8951A ,SM8951 1
MPU SYNCMOS SM8952A ,SM8951 2
MPU SYNCMOS SM8951B ,SM8951 1
//MPU SYNCMOS SM8952B ,SM8951 2
MPU SYNCMOS SM8954 ,SM8951 3
MPU SYNCMOS SM8958 ,SM8951 4
MPU SYNCMOS SM89516 ,SM8951 5
MPU SYNCMOS SM89516C ,SM8951 5
MPU SYNCMOS SM89516L ,SM8951 5

MPU SYNCMOS SM8954A ,SM89516 4
MPU SYNCMOS SM8958A ,SM89516 5
MPU SYNCMOS SM89516A ,SM89516 6
MPU SYNCMOS SSU7301 ,SM89516 2
MPU SYNCMOS SM7908 ,SM89516 2
MPU SYNCMOS SM79108 ,SM89516 2
MPU SYNCMOS SM89S16R1 ,SM89516 6
MPU SYNCMOS SM7964 ,SM89516 6
MPU SYNCMOS SM79164 ,SM89516 6

MPU SYNCMOS SM5952,SM_59_89_B 1,len=0x2000,cfg=0,cfa=0x3f80,
MPU SYNCMOS SM5953,SM_59_89_B 1,len=0x3f80,cfg=0,cfa=0x3f80

MPU SYNCMOS SM5952E,SM_59_89_B 1,len=0x3000,cfg=6,cfa=0x10000,
MPU SYNCMOS SM5954,SM_59_89_B 1,len=0x5000,cfg=5,cfa=0x10000,

MPU SYNCMOS SM5958,SM_59_89_B 1,len=0x8000,cfg=2,cfa=0x10000

MPU SYNCMOS SM5964B,SM_59_89_B 1,len=0x10000,cfg=3,cfa=0x10000

MPU SYNCMOS SM8952B,SM_59_89_B 1,len=0x2000,cfg=1,cfa=0x3f80,

MPU SYNCMOS SM8954B,SM_59_89_B 1,len=0x4000,cfg=4,cfa=0x10000

MPU SYNCMOS SM8958B,SM_59_89_B 1,len=0x8000,cfg=4,cfa=0x10000

MPU SYNCMOS SM89516B,SM_59_89_B 1,len=0x10000,cfg=4,cfa=0x10000

MPU SYNCMOS SM5964C ,SM59064 6
MPU SYNCMOS SM5964A ,SM59064 6
MPU SYNCMOS SM5964AL ,SM59064 6

MPU SYNCMOS SM59264 ,SM59128 7

MPU SYNCMOS SM59128 ,SM59128 7
MPU SYNCMOS SM894051 ,SM894051 3

//MPU SYNCMOS SM59D02G2C(07) ,SM59D04 2
//MPU SYNCMOS SM59D02G2L(07) ,SM59D04 2

MPU SYNCMOS SM59D03G2C ,SM59D04 2,
MPU SYNCMOS SM59D03G2L ,SM59D04 2,

MPU SYNCMOS SM59D04G2C ,SM59D04 3,
MPU SYNCMOS SM59D04G2L ,SM59D04 3,

MPU SYNCMOS SM59R01G1(DIP40),SM59RG1 1,len=0x2000,le1=0x0fff,le2=0x1c00,pkg=40
MPU SYNCMOS SM59R02G1(DIP40),SM59RG1 1,len=0x2000,pkg=40

MPU SYNCMOS SM894051,SM894051 3

//ICP:

MPU SYNCMOS SM59R05A5C(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x3fff,le2=0xf000,len=0xffff,vdd=5000
MPU SYNCMOS SM59R05A5L(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x3fff,le2=0xf000,len=0xffff,vdd=3300
MPU SYNCMOS SM59R_G6C(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x7fff,le2=0xf000,len=0xffff,vdd=5000
MPU SYNCMOS SM59R_G6L(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x7fff,le2=0xf000,len=0xffff,vdd=3300
MPU SYNCMOS SM59R16A5C(DIP40),SM59R_G6 1,pkg=40,cfg=0,ln1=0x10000,ln2=0x10000,len=0xffff,vdd=5000
MPU SYNCMOS SM59R16A5L(DIP40),SM59R_G6 1,pkg=40,cfg=0,ln1=0x10000,ln2=0x10000,len=0xffff,vdd=3300

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MPU SYNCMOS SM59R05G6(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x3fff,le2=0xf000,len=0xffff,
MPU SYNCMOS SM59R09G6(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0x7fff,le2=0xf000,len=0xffff,
MPU SYNCMOS SM59R16G6(DIP40),SM59R_G6 1,pkg=40,cfg=0,le1=0,le2=0,len=0xffff,

MPU SYNCMOS SM39R2051(20pin) ,SM39R2051ICP 1,pkg=20
MPU SYNCMOS SM39R4051(20pin) ,SM39R2051ICP 2,pkg=20

MPU SYNCMOS SM39R08A2(16pin),SM39R_A2 1,pkg=16,le1=0x0fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R08A2(20pin),SM39R_A2 1,pkg=20,le1=0x0fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R08A2(24pin),SM39R_A2 1,pkg=24,le1=0x0fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R08A2(28pin),SM39R_A2 2,pkg=28,le1=0x0fff,le2=0x3000,len=0x3fff

MPU SYNCMOS SM39R12A2(16pin),SM39R_A2 1,pkg=16,le1=0x1fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R12A2(20pin),SM39R_A2 1,pkg=20,le1=0x1fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R12A2(24pin),SM39R_A2 1,pkg=24,le1=0x1fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R12A2(28pin),SM39R_A2 2,pkg=28,le1=0x1fff,le2=0x3000,len=0x3fff
MPU SYNCMOS SM39R16A2(16pin),SM39R_A2 1,pkg=16,le1=0,len=0x3fff
MPU SYNCMOS SM39R16A2(20pin),SM39R_A2 1,pkg=20,le1=0,len=0x3fff
MPU SYNCMOS SM39R16A2(24pin),SM39R_A2 1,pkg=24,le1=0,len=0x3fff
MPU SYNCMOS SM39R16A2(28pin),SM39R_A2 2,pkg=28,le1=0,len=0x3fff

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MPU SYNCMOS SM39R05A3(10pin),SM39R_A3 3,pkg=10,le1=0x0fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R05A3(14pin),SM39R_A3 2,pkg=14,le1=0x0fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R05A3(16pin),SM39R_A3 1,pkg=16,le1=0x0fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R05A3(20pin),SM39R_A3 1,pkg=20,le1=0x0fff,le2=0x3c00,len=0x3fff

MPU SYNCMOS SM39R08A3(10pin),SM39R_A3 3,pkg=10,le1=0x1fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R08A3(14pin),SM39R_A3 2,pkg=14,le1=0x1fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R08A3(16pin),SM39R_A3 1,pkg=16,le1=0x1fff,le2=0x3c00,len=0x3fff
MPU SYNCMOS SM39R08A3(20pin),SM39R_A3 1,pkg=20,le1=0x1fff,le2=0x3c00,len=0x3fff

MPU SYNCMOS SM39R16A3(10pin),SM39R_A3 3,pkg=10,le1=0,le2=0,len=0x3fff
MPU SYNCMOS SM39R16A3(14pin),SM39R_A3 2,pkg=14,le1=0,le2=0,len=0x3fff
MPU SYNCMOS SM39R16A3(16pin),SM39R_A3 1,pkg=16,le1=0,le2=0,len=0x3fff
MPU SYNCMOS SM39R16A3(20pin),SM39R_A3 1,pkg=20,le1=0,le2=0,len=0x3fff

MPU SYNCMOS SM39R02G1(10pin),SM39R_G1 1,pkg=10,le1=0x03ff,le2=0x0c00,len=0x0fff
MPU SYNCMOS SM39R02G1(14pin),SM39R_G1 2,pkg=14,le1=0x03ff,le2=0x0c00,len=0x0fff
MPU SYNCMOS SM39R04G1(10pin),SM39R_G1 1,pkg=10,le1=0,le2=0,len=0x0fff
MPU SYNCMOS SM39R04G1(14pin),SM39R_G1 2,pkg=14,le1=0,le2=0,len=0x0fff

MPU SYNCMOS SM39R16A6(24pin),SM39R_A6 4,pkg=24,le1=0,le2=0,len=0x3fff
MPU SYNCMOS SM39R16A6(28pin),SM39R_A6 4,pkg=28,le1=0,le2=0,len=0x3fff

#MPU-LG

MPU LG GMS97C51(40P),PHI8758 14 ,len=0x1000,pkg=40, ;57,71 or e0,73
MPU LG GMS97C52(40P),PHI8758 15 ,len=0x2000,pkg=40,
MPU LG GMS97C54(40P),PHI8758 16 ,len=0x4000,pkg=40,
MPU LG GMS97C58(40P),PHI8758 17 ,len=0x8000,pkg=40,

MPU LG GMS97C1051 ,P97C2051 1
MPU LG GMS97C2051 ,P97C2051 2 ;e0,26 æ-°ăŽ,ă.²ç» æ"¹ă°†

#MPU-INTEL

MPU INTEL i87C51(40P)PHI8758 2 #0,92,92,pkg=40,len=0x1000
MPU INTEL i87C52(40P)PHI8758 4 #0,97,c0,pkg=40,len=0x2000
MPU INTEL i87C54(40P)PHI8758 5 #0,bb,c1,pkg=40,len=0x4000
MPU INTEL i87C58(40P)PHI8758 6 #0,bd,c2,pkg=40,len=0x8000

MPU INTEL i87C51FA(40P)PHI8758 7 #0,b1,c0,pkg=40,len=0x2000
MPU INTEL i87C51FB(40P)PHI8758 8 #0,b2,c1,pkg=40,len=0x4000
MPU INTEL i87C51FC(40P)PHI8758 9 #0,b3,c2,pkg=40,len=0x8000

MPU INTEL i87LC51FA(40P)PHI8758 7 #0,b1,c0,pkg=40,len=0x2000
MPU INTEL i87LC51FB(40P)PHI8758 8 #0,b2,c1,pkg=40,len=0x4000
MPU INTEL i87LC51FC(40P)PHI8758 9 #0,b3,c2,pkg=40,len=0x8000

MPU INTEL i87C51RA+(40P)PHI8758 10 #0,ca,c0,pkg=40,len=0x2000
MPU INTEL i87C51RB+(40P)PHI8758 11 #0,cb,c1,pkg=40,len=0x4000
MPU INTEL i87C51RC+(40P)PHI8758 12 #0,cc,c2,pkg=40,len=0x0000
MPU INTEL i87C51RD+(40P)PHI8758 13 #0,cd,c3,pkg=40,len=0x10000

MPU INTEL i87LC51RA+(40P)PHI8758 10 #0,ca,c0,pkg=40,len=0x2000
MPU INTEL i87LC51RB+(40P)PHI8758 11 #0,cb,c1,pkg=40,len=0x4000
MPU INTEL i87LC51RC+(40P)PHI8758 12 #0,cc,c2,pkg=40,len=0x8000
MPU INTEL i87LC51RD+(40P)PHI8758 13 #0,cd,c3,pkg=40,len=0x10000

#MPU-PHILIPS

MPU PHILIPS P87C51(40P),PHI8758 2 #15,92,92,len=0x1000,pkg=40,
MPU PHILIPS P87C52(40P),PHI8758 4 #15,97,c0,len=0x2000,pkg=40,
MPU PHILIPS P87C54(40P),PHI8758 5 #15,bb,c1,len=0x4000,pkg=40,
MPU PHILIPS P87C58(40P),PHI8758 6 #15,bd,c2,len=0x8000,pkg=40,

MPU PHILIPS P87C51X2(40P),PHI8758 2 #15,92,92,cfg=1,len=0x1000,pkg=40,
MPU PHILIPS P87C52X2(40P),PHI8758 4 #15,97,c0,cfg=1,len=0x2000,pkg=40,
MPU PHILIPS P87C54X2(40P),PHI8758 5 #15,bb,c1,cfg=1,len=0x4000,pkg=40,
MPU PHILIPS P87C58X2(40P),PHI8758 6 #15,bd,c2,cfg=1,len=0x8000,pkg=40,

MPU PHILIPS P87C51FA(40P),PHI8758 7 #15,b1,c0,,pkg=40,len=0x4000
MPU PHILIPS P87C51FB(40P),PHI8758 8 #15,b2,c1,,pkg=40,len=0x8000
MPU PHILIPS P87C51FC(40P),PHI8758 9 #15,b3,c2,,pkg=40,len=0x8000

MPU PHILIPS P87LC51FA(40P),PHI8758 7 #15,b1,c0,,pkg=40,len=0x2000
MPU PHILIPS P87LC51FB(40P),PHI8758 8 #15,b2,c1,,pkg=40,len=0x4000
MPU PHILIPS P87LC51FC(40P),PHI8758 9 #15,b3,c2,,pkg=40,len=0x8000

MPU PHILIPS P87C51RA+(40P),PHI8758 10 #15,ca,c0,,pkg=40,len=0x2000
MPU PHILIPS P87C51RB+(40P),PHI8758 11 #15,cb,c1,,pkg=40,len=0x4000
MPU PHILIPS P87C51RC+(40P),PHI8758 12 #15,cc,c2,,pkg=40,len=0x8000
MPU PHILIPS P87C51RD+(40P),PHI8758 13 #15,cd,c3,,pkg=40,len=0x10000

MPU PHILIPS P87LC51RA+(40P),PHI8758 10 #15,ca,c0,,pkg=40,len=0x2000
MPU PHILIPS P87LC51RB+(40P),PHI8758 11 #15,cb,c1,,pkg=40,len=0x4000

MPU PHILIPS P87LC51RC+(40P),PHI8758 12 #15,cc,c2,,pkg=40,len=0x8000
MPU PHILIPS P87LC51RD+(40P),PHI8758 13 #15,cd,c3,,pkg=40,len=0x10000

//MPU PHILIPS P87C591 ,PHI87591 1 #15,98,01,ä, èf^{1/2}1^{1/4}

MPU PHILIPS P89C51Uxxx ,PHI89C51 1 #15,c2,f4
MPU PHILIPS P89C52Uxxx ,PHI89C51 2 #15,c2,ff
MPU PHILIPS P89C54Uxxx ,PHI89C51 3 #15,c2,fb
MPU PHILIPS P89C58Uxxx ,PHI89C51 4 #15,c2,f9

MPU PHILIPS P89C51Bx ,PHI89NEW 1 #15,C2,FA
MPU PHILIPS P89C52Bx ,PHI89NEW 2 #15,C2,FC
MPU PHILIPS P89C54Bx ,PHI89NEW 3 #15,C2,FD
MPU PHILIPS P89C58Bx ,PHI89NEW 4

MPU PHILIPS P89C51X2 ,PHI89NEW 13 #0,C2,fe
MPU PHILIPS P89C52X2 ,PHI89NEW 14 #0,C2,fd
MPU PHILIPS P89C54X2 ,PHI89NEW 15 #0,C2,fc
MPU PHILIPS P89C58X2 ,PHI89NEW 16 #0,C2,fc

MPU PHILIPS P89C51RA+ ,PHI89C51 5 #15,c2,8f
MPU PHILIPS P89C51RB+ ,PHI89C51 6 #15,c2,8b
MPU PHILIPS P89C51RC+ ,PHI89C51 7 #15,c2,89
MPU PHILIPS P89C51RD+ ,PHI89C51 8 #15,c2,80

MPU PHILIPS P89C51RA2Hxx ,PHI89RX2 1
MPU PHILIPS P89C51RB2Hxx ,PHI89RX2 2 #0,c2,8b
MPU PHILIPS P89C51RC2Hxx ,PHI89RX2 3 #0,c2,89
MPU PHILIPS P89C51RD2Hxx ,PHI89RX2 4 #0,c2,80

MPU PHILIPS P89C51RA2B ,P89C51RX2XX 1 #0,c2,8f
MPU PHILIPS P89C51RB2B ,P89C51RX2XX 2 #0,c2,8c
MPU PHILIPS P89C51RC2B ,P89C51RX2XX 3 #0,c2,8a
MPU PHILIPS P89C51RD2B ,P89C51RX2XX 4 #0,c2,82

MPU PHILIPS P89C51RA2F ,P89C51RX2XX 1 #0,c2,8f
MPU PHILIPS P89C51RB2F ,P89C51RX2XX 2 #0,c2,8c
MPU PHILIPS P89C51RC2F ,P89C51RX2XX 3 #0,c2,8a
MPU PHILIPS P89C51RD2F ,P89C51RX2XX 4 #0,c2,82

MPU PHILIPS P89C60X2 ,P89C51RX2XX 4 #0,c2,ef
MPU PHILIPS P89C61X2 ,P89C51RX2XX 4 #0,c2,82

MPU PHILIPS P89C660 ,PHI89RX2 2 #0,c2,83
MPU PHILIPS P89C662 ,PHI89RX2 3 #0,c2,84
MPU PHILIPS P89C664 ,PHI89RX2 4 #0,c2,85
MPU PHILIPS P89C668 ,PHI89RX2 4 #0,c2,81

MPU PHILIPS P87LPC759 ,PHI87LP 1,len=0x3ff,pkg=14
MPU PHILIPS P87LPC760 ,PHI87LP 1,len=0x3ff,pkg=14
MPU PHILIPS P87LPC761 ,PHI87LP 2,len=0x7ff,pkg=16
MPU PHILIPS P87LPC762 ,PHI87LP 3 #15,dd,len=0x7ff,pkg=20
MPU PHILIPS P87LPC764 ,PHI87LP 3 #15,dd,len=0xffff,pkg=20
MPU PHILIPS P87LPC767 ,PHI87LP 3 #15,dd,len=0xffff,pkg=20
MPU PHILIPS P87LPC768 ,PHI87LP 3 #15,dd,len=0xffff,pkg=20
MPU PHILIPS P87LPC769 ,PHI87LP 3 #15,dd,len=0xffff,pkg=20

MPU PHILIPS P89LPC901 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8
MPU PHILIPS P89LPC902 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8
MPU PHILIPS P89LPC903 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8
MPU PHILIPS P89LPC906 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8
MPU PHILIPS P89LPC907 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8
MPU PHILIPS P89LPC908 ,LPC901 1 #15,dd,,vcc=3300,len=1024,pkg=8

MPU PHILIPS P89LPC9107 ,LPC901 2 #15,dd,,vcc=3300,len=1024,pkg=14
MPU PHILIPS P89LPC912 ,LPC901 2 #15,dd,,vcc=3300,len=1024,pkg=14
MPU PHILIPS P89LPC913 ,LPC901 2 #15,dd,,vcc=3300,len=1024,pkg=14
MPU PHILIPS P89LPC914 ,LPC901 2 #15,dd,,vcc=3300,len=1024,pkg=14

MPU PHILIPS P89LPC915 ,LPC901 2 #15,dd,,vcc=3300,len=2048,pkg=14
MPU PHILIPS P89LPC916 ,LPC901 3 #15,dd,,vcc=3300,len=2048,pkg=16
MPU PHILIPS P89LPC917 ,LPC901 3 #15,dd,,vcc=3300,len=2048,pkg=16

MPU PHILIPS P89LPC920 ,P89LPC932 2 #00,vcc=3300,len=2048,sec=64
MPU PHILIPS P89LPC921 ,P89LPC932 2 #00,vcc=3300,len=4096,sec=64
MPU PHILIPS P89LPC922 ,P89LPC932 2 #15,dd,0c,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC9221 ,P89LPC932 2 #00,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC924 ,P89LPC932 2 #00,vcc=3300,len=4096,sec=64

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MPU PHILIPS P89LPC925      ,P89LPC932 2 #00,vcc=3300,len=8192,sec=64
-----
MPU PHILIPS P89LPC930      ,P89LPC932 1 #15,dd,19,vcc=3300,len=4096,sec=64
MPU PHILIPS P89LPC931      ,P89LPC932 1 #15,dd,09,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC932      ,P89LPC932 1 #15,dd,05,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC932A1    ,P89LPC932 1 #15,dd,1f,vcc=3300,len=8192,sec=64
-----
MPU PHILIPS P89LPC933      ,P89LPC932 1 #00,vcc=3300,len=4096,sec=64
MPU PHILIPS P89LPC934      ,P89LPC932 1 #00,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC935      ,P89LPC932 1 #00,vcc=3300,len=8192,sec=64
MPU PHILIPS P89LPC936      ,P89LPC932 1 #00,vcc=3300,len=16384,sec=64
MPU PHILIPS P89LPC938      ,P89LPC932 1 #00,vcc=3300,len=8192,sec=64
-----
MPU PHILIPS P89V51RB2(DIP40) ,SST89E554A 0 #bf,00,len=0x4000,pkg=40;
MPU PHILIPS P89LV51RB2(DIP40) ,SST89E554A 0 #bf,00,len=0x4000,pkg=40;

MPU PHILIPS P89V51RC2(DIP40) ,SST89E554A 0 #bf,00,len=0x8000,pkg=40;
MPU PHILIPS P89LV51RC2(DIP40) ,SST89E554A 0 #bf,00,len=0x8000,pkg=40;

MPU PHILIPS P89V51RD2(DIP40) ,SST89E564A 0 #bf,00,len=0x10000,pkg=40;
MPU PHILIPS P89LV516RD2(DIP40) ,SST89E564A 0 #bf,00,len=0x10000,pkg=40;
-----
#MPU-WINBOND
MPU WINBOND W78E51      ,W7851 1 #da,e0,
MPU WINBOND W78E51B     ,W7851 6 #da,e0,
MPU WINBOND W78LE51     ,W7851 6 #da,e0,
MPU WINBOND W78E51C     ,W78E516 0 #da,e1,vcc=3300
MPU WINBOND W78E051C    ,W78E516 0 #da,e1,vcc=3300
MPU WINBOND W78LE51C    ,W78E516 0 #da,e1,,vcc=3300
MPU WINBOND W78L051C    ,W78E516 0 #da,e1,,vcc=3300

MPU WINBOND W78E52      ,W7851 2 #da,e0,
MPU WINBOND W78E52B     ,W7851 7 #da,e0,
MPU WINBOND W78LE52     ,W7851 7 #da,e0,
MPU WINBOND W78E52C     ,W78E516 1 #da,e1,,vcc=3300
MPU WINBOND W78E052C    ,W78E516 1 #da,e1,,vcc=3300
MPU WINBOND W78LE52C    ,W78E516 1 #da,e1,vcc=3300
MPU WINBOND W78L052C    ,W78E516 1 #da,e1,vcc=3300

MPU WINBOND W78E54      ,W7851 3 #da,61,
MPU WINBOND W78E54B     ,W7851 8 #da,61,
MPU WINBOND W78E054C    ,W78E516 2 #00,00,vcc=3300
MPU WINBOND W78LE54     ,W7851 8 #da,61,
PU WINBOND W78E54C      ,W78E516 2 #00,00,vcc=3300
PU WINBOND W78E054C     ,W78E516 2 #00,00,vcc=3300
MPU WINBOND W78L054C    ,W78E516 2 #00,00,vcc=3300
-----
MPU WINBOND W78E58      ,W7851 4 #da,61,vcc=3300
MPU WINBOND W78E58B     ,W78E516 3 #da,63,vcc=3300
MPU WINBOND W78E058     ,W7851 4 #da,61,vcc=3300
MPU WINBOND W78E058B    ,W78E516 3 #da,63,vcc=3300
MPU WINBOND W78LE58     ,W78E516 4,vcc=3300
MPU WINBOND W78E516B    ,W78E516 5 #da,62,vcc=3300
MPU WINBOND W78LE516    ,W78E516 6,vcc=3300
-----
MPU WINBOND W78E51D     ,W78E54D 0 #0,0,vcc=3300,cfg=7
MPU WINBOND W78E52D     ,W78E54D 1 #0,0,vcc=3300,cfg=7
MPU WINBOND W78E54D     ,W78E54D 2 #0,0,vcc=3300,cfg=7
MPU WINBOND W78E051D    ,W78E54D 0 #0,0,vcc=3300,cfg=7
MPU WINBOND W78E052D    ,W78E54D 1 #0,0,vcc=3300,cfg=7
MPU WINBOND W78E054D    ,W78E54D 2 #0,0,vcc=3300,cfg=7

MPU WINBOND W78E58D     ,W78E516 3 #0,0,vcc=3300,cfg=6
MPU WINBOND W78E516D    ,W78E516 5 #0,0,vcc=3300,cfg=6
MPU WINBOND W78E058D    ,W78E516 3 #0,0,vcc=3300,cfg=6
MPU WINBOND W78E0516D   ,W78E516 5 #0,0,vcc=3300,cfg=6
-----
MPU WINBOND W78ERD2     ,W78E516 6,cfg=3 ,vcc=3300
MPU WINBOND W78IRD2     ,W78E516 6,cfg=3,vcc=3300
-----
MPU WINBOND W78E62      ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78E65      ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78E062     ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78E065     ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78L065     ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78E365     ,W78E516 5,cfg=0,vcc=3300
MPU WINBOND W78LE365    ,W78E516 5,cfg=0,,vcc=3300
MPU WINBOND W78E858     ,W78E516 4,cfg=0,bla=1,

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MPU WINBOND W77E54      ,W7851 11,vcc=3300
MPU WINBOND W77E58      ,W7851 12,vcc=5000
MPU WINBOND W77LE58     ,W78E516 4,vcc=3300
MPU WINBOND W77E516     ,W78E516 7,cfg=1,vcc=3300
MPU WINBOND W77LE516    ,W78E516 7,cfg=1,vcc=3300
MPU WINBOND W77E532     ,W78E516 8,cfg=2,vcc=3300
MPU WINBOND W79E532     ,W78E516 8,cfg=2,vcc=3300
MPU WINBOND W79E632     ,W78E516 8,cfg=2,vcc=3300
MPU WINBOND W77E54      ,W7851 11,vcc=3300

MPU WINBOND W77E058     ,W7851 12,vcc=5000
MPU WINBOND W77LE058    ,W78E516 4,vcc=3300
MPU WINBOND W77E0516    ,W78E516 7,cfg=1,vcc=3300
MPU WINBOND W77LE0516   ,W78E516 7,cfg=1,vcc=3300
MPU WINBOND W77E0532    ,W78E516 8,cfg=2,vcc=3300
MPU WINBOND W79E0532    ,W78E516 8,cfg=2,vcc=3300
MPU WINBOND W79E0632    ,W78E516 8,cfg=2,vcc=3300
-----
MPU WINBOND W79E201     ,W78E516 2,cfg=4,vcc=3300
-----
MPU WINBOND W79E802ADG(DIP20) ,W79E82X 2 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E802ASG(SOP20) ,W79E82X 2 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E803ADG(DIP20) ,W79E82X 2 ,vcc=5000,len=4096,ee=128
MPU WINBOND W79E803ASG(SOP20) ,W79E82X 2 ,vcc=5000,len=4096,ee=128
MPU WINBOND W79E804ADG(DIP20) ,W79E82X 2 ,vcc=5000,len=8192,ee=256
MPU WINBOND W79E804ASG(SOP20) ,W79E82X 2 ,vcc=5000,len=8192,ee=256

MPU WINBOND W79E821A(20PIN) ,W79E82X 2 ,vcc=5000,len=1024,ee=128
MPU WINBOND W79E822A(20PIN) ,W79E82X 2 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E823A(20PIN) ,W79E82X 2 ,vcc=5000,len=4096,ee=128
MPU WINBOND W79E824A(20PIN) ,W79E82X 2 ,vcc=5000,len=8192,ee=256
MPU WINBOND W79E825A(20PIN) ,W79E82X 2 ,vcc=5000,len=16384,ee=256
--/top2007 Only for pin20,top2049 may for 20/16/14pin
MPU WINBOND W79E2051(20PIN) ,W79E2051 1 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E4051(20PIN) ,W79E2051 1 ,vcc=5000,len=4096,ee=128
MPU WINBOND W79E2051-DU(20PIN) ,W79E2051 1 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E4051-DU(20PIN) ,W79E2051 1 ,vcc=5000,len=4096,ee=128
MPU WINBOND W79E2051-SU(20PIN) ,W79E2051 1 ,vcc=5000,len=2048,ee=128
MPU WINBOND W79E4051-SU(20PIN) ,W79E2051 1 ,vcc=5000,len=4096,ee=128

MPU WINBOND W79E8213(DIP20ICP) ,W79E82ISP 2 ,len=4096,ee=128,cfa=0xfb00,cfg=2,vcc=4400,rvcc=3300

MPU WINBOND N79E352(ICP),W79E82ISP 5 ,vcc=5000,len=0x2000,ee=128,pkg=40,cfa=0xfb00,cfg=3;
MPU WINBOND N78E366(DIP40),W78E366 1,vcc=5000,len=0x10000,ee=128,pkg=40,cfa=0xfb00,cfg=0;
-----
MPU WINBOND N79E815AS28,W79E81ICP 2 ,vcc=5000,len=0x4000
MPU WINBOND N79E815AT28,W79E81ICP 2 ,vcc=5000,len=0x4000
MPU WINBOND N79E814AS28,W79E81ICP 2 ,vcc=5000,len=0x2000
MPU WINBOND N79E814AT28,W79E81ICP 2 ,vcc=5000,len=0x2000
MPU WINBOND N79E815AS20,W79E81ICP 3 ,vcc=5000,len=0x4000
MPU WINBOND N79E815AT20,W79E81ICP 3 ,vcc=5000,len=0x4000
MPU WINBOND N79E814AS20,W79E81ICP 3 ,vcc=5000,len=0x2000
MPU WINBOND N79E814AT20,W79E81ICP 3 ,vcc=5000,len=0x2000
MPU WINBOND N79E8132AS16,W79E81ICP 4 ,vcc=5000,len=0x1000

#MPU-MICROCHIP
MPU MICROCHIP PIC12C508 ,P12C508 1,cfa=0xffff
MPU MICROCHIP PIC12C508A ,P12C508 1,cfa=0xffff
MPU MICROCHIP PIC12C508B ,P12C508 1,cfa=0xffff
MPU MICROCHIP PIC12C509 ,P12C508 2,cfa=0xffff
MPU MICROCHIP PIC12C509A ,P12C508 2,cfa=0xffff
MPU MICROCHIP PIC12C509B ,P12C508 2,cfa=0xffff
MPU MICROCHIP PIC12C518 ,P12C508 1,cfa=0xffff
MPU MICROCHIP PIC12C519 ,P12C508 2,cfa=0xffff
-----
MPU MICROCHIP PIC12F508 ,P12F508 1 ,cfg=0,cfa=0x3ff,fla=0x1ff;
MPU MICROCHIP PIC12F509 ,P12F508 1 ,cfg=0,cfa=0x3ff,fla=0x1ff;
MPU MICROCHIP PIC12F510 ,P12F508 1 ,cfg=1,cfa=0x7ff,fla=0x3ff;
MPU MICROCHIP PIC12F519 ,P12F508 1 ,cfg=2,cfa=0x7ff,fla=0x43f;
-----
MPU MICROCHIP PIC12C671 ,P16CXXX 0 ,pkg=8,cfg=4,dly=1,fla=1024
MPU MICROCHIP PIC12C672 ,P16CXXX 0 ,pkg=8,cfg=4,dly=1,fla=2048
MPU MICROCHIP PIC12CE673 ,P16CXXX 0 ,pkg=8,cfg=4,dly=1,fla=1024
MPU MICROCHIP PIC12CE674 ,P16CXXX 0 ,pkg=8,cfg=4,dly=1,fla=2048
-----
//2010.11.18 ä¸@æ¸vcc=4400,(ä¸ è¸½5v¼CEÄ¸ ä¸^TMæ¸¾ç¸°ç¸"µæ¸ ä¸ è¸³)
MPU MICROCHIP PIC12F629 ,PIC12F 0 #00,80 ,pkg=8,cfg=0,dly=10,fla=1024,ee=128,vcc=4400

```

MPU MICROCHIP PIC12F675 ,PIC12F 0 #0f,c0 ,pkg=8,cfq=0,dly=10,fla=1024,ee=128,vcc=4400

MPU MICROCHIP PIC16F636-14PIN	,PIC12F6XX	0 #10,a0	,pkg=14,cfg=1,dly=10,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16F684-14PIN	,PIC12F6XX	0 #10,80	,pkg=14,cfg=2,dly=10,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16F688-14PIN	,PIC12F6XX	0 #11,80	,pkg=14,cfg=2,dly=10,fla=0xfff,ee=256,vcc=3300
MPU MICROCHIP PIC16F639-20PIN	,PIC12F6XX	0 #10,a0	,pkg=20,cfg=1,dly=10,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16F685-20PIN	,PIC12F6XX	0 #04,a0	,pkg=20,cfg=2,dly=10,fla=0xfff,ee=256,vcc=3300
MPU MICROCHIP PIC16F687-20PIN	,PIC12F6XX	0 #13,20	,pkg=20,cfg=2,dly=10,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16F689-20PIN	,PIC12F6XX	0 #13,40	,pkg=20,cfg=2,dly=10,fla=0xfff,ee=256,vcc=3300
MPU MICROCHIP PIC16F690-20PIN	,PIC12F6XX	0 #14,00	,pkg=20,cfg=2,dly=10,fla=0xfff,ee=256,vcc=3300
MPU MICROCHIP PIC16F677-20PIN	,PIC12F6XX	0 #00,00	,pkg=20,cfg=2,dly=3,fla=0x7ff,ee=256,vcc=3300

```
MPU MICROCHIP PIC12LF1822-8PIN,PIC16F_NEW2 0 #00,00 ,pkg=8,cfg=3,cfs=2,dly=3,fla=0x3ff,ee=128,vcc=3300
MPU MICROCHIP PIC16LF1823-14PIN,PIC16F_NEW2 0 #00,00 ,pkg=14,cfg=3,cfs=2,dly=3,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1824-14PIN,PIC16F_NEW2 0 #00,00 ,pkg=14,cfg=3,cfs=2,dly=3,fla=0xffff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1825-14PIN,PIC16F_NEW2 0 #00,00 ,pkg=14,cfg=3,cfs=2,dly=3,fla=0x1fff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1826-18PIN,PIC16F_NEW2 0 #00,00 ,pkg=18,cfg=3,cfs=2,dly=3,fla=0x7ff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1827-18PIN,PIC16F_NEW2 0 #00,00 ,pkg=18,cfg=3,cfs=2,dly=3,fla=0xffff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1828-20PIN,PIC16F_NEW2 0 #00,00 ,pkg=20,cfg=3,cfs=2,dly=3,fla=0xffff,ee=256,vcc=3300
MPU MICROCHIP PIC16LF1829-20PIN,PIC16F_NEW2 0 #00,00 ,pkg=20,cfg=3,cfs=2,dly=3,fla=0x1fff,ee=256,vcc=3300
```

```
MPU MICROCHIP PIC16LF1933(28PIN),PIC16F_NEW2 0 #00,00 ,pkg=28,cfg=3,cfs=2,dly=3,fla=0x0fff,ee=256,vcc=3300,
MPU MICROCHIP PIC16LF1936(28PIN),PIC16F_NEW2 0 #00,00 ,pkg=28,cfg=3,cfs=2,dly=3,fla=0x1fff,ee=256,vcc=3300,
MPU MICROCHIP PIC16LF1938(28PIN),PIC16F_NEW2 0 #00,00 ,pkg=28,cfg=3,cfs=2,dly=3,fla=0x3fff,ee=256,vcc=3300,
```

```
MPU MICROCHIP PIC16F1934(40PIN),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=3,cfs=2,dly=3,fla=0x0fff,ee=256,vcc=3300,
MPU MICROCHIP PIC16F1937(40PIN),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=3,cfs=2,dly=3,fla=0x1fff,ee=256,vcc=3300,
MPU MICROCHIP PIC16F1939(40PIN),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=3,cfs=2,dly=3,fla=0x3fff,ee=256,vcc=3300.
```

```
MPU MICROCHIP PIC12F609(8PIN) ,PIC12F615 0 #00,00 ,pkg=8,cfg=4,cfs=2,dly=4,fla=0x3ff,vcc=5000
MPU MICROCHIP PIC12F615(8PIN) ,PIC12F615 0 #00,00 ,pkg=8,cfg=4,cfs=2,dly=4,fla=0x3ff,vcc=5000
MPU MICROCHIP PIC12F617(8PIN),PIC12F615 0 #00,00 ,pkg=8,cfg=4,cfs=2,dly=4,fla=0x7ff,vcc=5000
MPU MICROCHIP PIC16F610(14PIN),PIC12F615 0 #00,00 ,pkg=14,cfg=4,cfs=2,dly=4,fla=0x3ff,vcc=5000
MPU MICROCHIP PIC16F616(14PIN),PIC12F615 0 #00,00 ,pkg=14,cfg=4,cfs=2,dly=4,fla=0x7ff,vcc=5000
```

```
MPU MICROCHIP PIC16F505(14PIN),PIC16F5XX 0 #00,00 ,pkg=14,cfg=0,dly=10,fla=1024,vcc=5000,cfa=0x7ff
MPU MICROCHIP PIC16F506(14PIN),PIC16F5XX 0 #00,00 ,pkg=14,cfg=1,dly=10,fla=1024,vcc=5000,cfg=0x7ff
MPU MICROCHIP PIC12F508-new ,PIC16F5XX 0 #00,00 ,pkg=8,cfg=2,dly=10,fla=512,vcc=5000 ,cfa=0x3ff
MPU MICROCHIP PIC12F509-new .PIC16F5XX 0 #00,00 ,pkg=8,cfg=2,dly=10,fla=1024,vcc=5000,cfa=0x7ff
```

MPU MICROCHIP PIC12F510-new ,PIC16F5XX 0 #00,00 ,pkg=8,cfg=3,dly=10,fla=1024,vcc=5000,cfa=0x7ff

MPU MICROCHIP PIC16F526(14PIN),PIC16F5XX 0 #00,00 ,pkg=14,cfg=5,dly=10,fla=0x400,fda=128,vcc=5000,cfa=0x7ff,

MPU MICROCHIP PIC16F54 ,PIC16F5X 0 #00,pkg=18,fla=512,vcc=5000,cfa=0x3ff
MPU MICROCHIP PIC16F57 ,PIC16F5X 0 #00,pkg=29,fla=2048,vcc=5000,cfa=0xffff

MPU MICROCHIP PIC16F630 ,PIC16F630 0 ,pkg=14,cfg=0,dly=10,fla=1024,ee=128,vcc=5000
MPU MICROCHIP PIC16F676 ,PIC16F630 0 ,pkg=14,cfg=0,dly=10,fla=1024,ee=128,vcc=5000

MPU MICROCHIP PIC16C505 ,P16C505 1

MPU MICROCHIP PIC16C54 ,P16C54 1
MPU MICROCHIP PIC16HV540 ,P16C54 1
MPU MICROCHIP PIC16C54-LP ,P16C54 1
MPU MICROCHIP PIC16C54-XT ,P16C54 1
MPU MICROCHIP PIC16C54-RC ,P16C54 1
MPU MICROCHIP PIC16C54-HS ,P16C54 1
MPU MICROCHIP PIC16C54A ,P16C54 1
MPU MICROCHIP PIC16C54B ,P16C54 1
MPU MICROCHIP PIC16C54C ,P16C54 1 ,vcc=3300,vpp=12000,
MPU MICROCHIP CF745 ,P16C54 1 ,vcc=3300,vpp=12000,
MPU MICROCHIP PIC16C55 ,P16C57 1
MPU MICROCHIP PIC16C55-LP ,P16C57 1
MPU MICROCHIP PIC16C55-XT ,P16C57 1
MPU MICROCHIP PIC16C55-RC ,P16C57 1
MPU MICROCHIP PIC16C55-HS ,P16C57 1
MPU MICROCHIP PIC16C55A ,P16C57 1
MPU MICROCHIP PIC16C55B ,P16C57 1
MPU MICROCHIP PIC16C55C ,P16C57 1 ,vcc=3300,vpp=12000,
MPU MICROCHIP PIC16C56 ,P16C54 2
MPU MICROCHIP PIC16C56-LP ,P16C54 2
MPU MICROCHIP PIC16C56-XT ,P16C54 2
MPU MICROCHIP PIC16C56-RC ,P16C54 2
MPU MICROCHIP PIC16C56-HS ,P16C54 2
MPU MICROCHIP PIC16C56A ,P16C54 2
MPU MICROCHIP PIC16C56B ,P16C54 2
MPU MICROCHIP PIC16C56C ,P16C54 2 ,vcc=3300,vpp=12000,
MPU MICROCHIP PIC16C57 ,P16C57 2
MPU MICROCHIP PIC16C57-LP ,P16C57 2
MPU MICROCHIP PIC16C57-XT ,P16C57 2
MPU MICROCHIP PIC16C57-RC ,P16C57 2
MPU MICROCHIP PIC16C57-HS ,P16C57 2
MPU MICROCHIP PIC16C57A ,P16C57 2
MPU MICROCHIP PIC16C57B ,P16C57 2
MPU MICROCHIP PIC16C57C ,P16C57 2 ,vcc=3300,vpp=12000,
MPU MICROCHIP CF775 ,P16C57 2 ,vcc=3300,vpp=12000,
MPU MICROCHIP PIC16C58 ,P16C54 3
MPU MICROCHIP PIC16C58-LP ,P16C54 3
MPU MICROCHIP PIC16C58-XT ,P16C54 3
MPU MICROCHIP PIC16C58-RC ,P16C54 3
MPU MICROCHIP PIC16C58-HS ,P16C54 3
MPU MICROCHIP PIC16C58A ,P16C54 3
MPU MICROCHIP PIC16C58B ,P16C54 3
MPU MICROCHIP PIC16C58C ,P16C54 3 ,vcc=3300,vpp=12000,

MPU MICROCHIP PIC16C64 ,P16C61 1 ,cfg=1,
MPU MICROCHIP PIC16C64A ,P16C61 2 ,cfg=2,
MPU MICROCHIP PIC16C64B ,P16C61 2 ,cfg=2,
MPU MICROCHIP PIC16C65 ,P16C61 3 ,cfg=1,
MPU MICROCHIP PIC16C774 ,P16C61 3 ,cfg=2,
MPU MICROCHIP PIC16C65A ,P16C61 4 ,cfg=2,
MPU MICROCHIP PIC16C65B ,P16C61 4 ,cfg=2,
MPU MICROCHIP PIC16C74 ,P16C61 5 ,cfg=1,
MPU MICROCHIP PIC16C74A ,P16C61 6 ,cfg=2,
MPU MICROCHIP PIC16C74B ,P16C61 6 ,cfg=2,
MPU MICROCHIP PIC16C71 ,P16C61 7 ,cfg=0,
MPU MICROCHIP PIC16C71A ,P16C61 7 ,cfg=2,
MPU MICROCHIP PIC16C71B ,P16C61 7 ,cfg=2,
MPU MICROCHIP PIC16C711 ,P16C61 7 ,cfg=2,
MPU MICROCHIP PIC16C712 ,P16C61 7 ,cfg=2,
MPU MICROCHIP PIC16C61 ,P16C61 8 ,cfg=0,
MPU MICROCHIP PIC16C710 ,P16C61 9 ,cfg=2,
MPU MICROCHIP PIC16C620 ,P16C61 9 ,cfg=2,
MPU MICROCHIP PIC16C621 ,P16C61 10 ,cfg=2,
MPU MICROCHIP PIC16C622 ,P16C61 11 ,cfg=2,
//MPU MICROCHIP PIC16C715 ,P16C61 11 ,cfg=3,

```

MPU MICROCHIP PIC16C715(18Pin),P16C715 1 ,cfg=0,fla=2048
MPU MICROCHIP PIC16C716 ,P16C61 11 ,cfg=2,
MPU MICROCHIP PIC16C62 ,P16C61 12 ,cfg=1,
MPU MICROCHIP PIC16C62A ,P16C61 12 ,cfg=2,
MPU MICROCHIP PIC16C62B ,P16C61 12 ,cfg=2,
MPU MICROCHIP PIC16C63 ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C63A ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C63B ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C73 ,P16C61 13 ,cfg=1,
MPU MICROCHIP PIC16C73A ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C73B ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C773 ,P16C61 13 ,cfg=2,
-----
MPU MICROCHIP PIC16C66 ,P16C61 15 ,cfg=2,
MPU MICROCHIP PIC16C67 ,P16C61 16 ,cfg=2,
-----
MPU MICROCHIP PIC16C72 ,P16C61 14 ,cfg=2,
MPU MICROCHIP PIC16C72A ,P16C61 14 ,cfg=2,
MPU MICROCHIP PIC16C72B ,P16C61 14 ,cfg=2,
MPU MICROCHIP PIC16C76 ,P16C61 15 ,cfg=2,
MPU MICROCHIP PIC16C76A ,P16C61 15 ,cfg=2,
MPU MICROCHIP PIC16C76B ,P16C61 15 ,cfg=2,
MPU MICROCHIP PIC16C77 ,P16C61 16 ,cfg=2,
MPU MICROCHIP PIC16C77A ,P16C61 16 ,cfg=2,
MPU MICROCHIP PIC16C77B ,P16C61 16 ,cfg=2,
;------
MPU MICROCHIP PIC16C641 ,P16C61 12 ,cfg=2,
MPU MICROCHIP PIC16C642 ,P16C61 13 ,cfg=2,
MPU MICROCHIP PIC16C661 ,P16C61 2 ,cfg=2,
MPU MICROCHIP PIC16C662 ,P16C61 3 ,cfg=2,
-----
MPU MICROCHIP PIC16C554 ,P16C61 9
MPU MICROCHIP PIC16C556 ,P16C61 10
MPU MICROCHIP PIC16C558 ,P16C61 11
-----
MPU MICROCHIP PIC16C717 ,P16CXXX 0 ,pkg=18,cfg=3,dly=1,fla=2048
//MPU MICROCHIP PIC16C770 ,P16CXXX 0 ,pkg=20,cfg=3,dly=1,fla=2048
//MPU MICROCHIP PIC16C771 ,P16CXXX 0 ,pkg=20,cfg=3,dly=1,fla=4096
//MPU MICROCHIP PIC16C781 ,P16CXXX 0 ,pkg=20,cfg=3,dly=1,fla=1024
//MPU MICROCHIP PIC16C782 ,P16CXXX 0 ,pkg=20,cfg=3,dly=1,fla=2048
-----
MPU MICROCHIP PIC16F627 ,PIC16FEE 0 #07,a0,pkg=18,cfg=6,dly=8,fla=1024,ee=128
MPU MICROCHIP PIC16F628 ,PIC16FEE 0 #07,c0,pkg=18,cfg=6,dly=8,fla=2048,ee=128
MPU MICROCHIP PIC16LF627 ,PIC16FEE 0 #00,00,pkg=18,cfg=6,dly=8,fla=1024,ee=128
MPU MICROCHIP PIC16LF628 ,PIC16FEE 0 #00,00,pkg=18,cfg=6,dly=8,fla=2048,ee=128
-----
MPU MICROCHIP PIC16F627A ,P16F628A 0 #00,a0,pkg=18,cfg=0,dly=10,fla=1024,ee=128
MPU MICROCHIP PIC16F628A ,P16F628A 0 #10,60,pkg=18,cfg=0,dly=10,fla=2048,ee=128
MPU MICROCHIP PIC16F648A ,P16F628A 0 #11,00,pkg=18,cfg=0,dly=10,fla=4096,ee=256
MPU MICROCHIP PIC16LF627A ,P16F628A 0 #00,00,pkg=18,cfg=0,dly=10,fla=1024,ee=128
MPU MICROCHIP PIC16LF628A ,P16F628A 0 #00,00,pkg=18,cfg=0,dly=10,fla=2048,ee=128
MPU MICROCHIP PIC16LF648A ,P16F628A 0 #00,00,pkg=18,cfg=0,dly=10,fla=4096,ee=256
-----
MPU MICROCHIP PIC16F716 ,PIC16F 0 #00,a0,pkg=18,cfg=6,dly=2,fla=2048,ee=0
-----
MPU MICROCHIP PIC16F72 ,PIC16F 0 #00,a0,pkg=28,cfg=2,dly=2,fla=2048,ee=0
-----
MPU MICROCHIP PIC16F73 ,PIC16F 0 #06,00,pkg=28,cfg=2,dly=2,fla=4096,ee=0,vcc=5000
MPU MICROCHIP PIC16F74 ,PIC16F 0 #06,20,pkg=40,cfg=2,dly=2,fla=4096,ee=0,vcc=5000
MPU MICROCHIP PIC16F76 ,PIC16F 0 #06,40,pkg=28,cfg=2,dly=2,fla=8192,ee=0,vcc=5000
MPU MICROCHIP PIC16F77 ,PIC16F 0 #06,60,pkg=40,cfg=2,dly=2,fla=8192,ee=0,vcc=5000
-----
MPU MICROCHIP PIC16F737 ,PIC16F 0 #0b,a0,pkg=28,cfg=7,dly=2,fla=4096,ee=0,cf2=1
MPU MICROCHIP PIC16F747 ,PIC16F 0 #0b,e0,pkg=40,cfg=7,dly=2,fla=4096,ee=0,cf2=1
MPU MICROCHIP PIC16F767 ,PIC16F 0 #0d,e0,pkg=28,cfg=7,dly=2,fla=8192,ee=0,cf2=1
MPU MICROCHIP PIC16F777 ,PIC16F 0 #0e,a0,pkg=40,cfg=7,dly=2,fla=8192,ee=0,cf2=1
-----
//MPU MICROCHIP PIC16F73A ,PIC16F 0 ,pkg=28,cfg=1,dly=2,fla=4096,ee=0
//MPU MICROCHIP PIC16F74A ,PIC16F 0 ,pkg=40,cfg=1,dly=2,fla=4098,ee=0
//MPU MICROCHIP PIC16F76A ,PIC16F 0 ,pkg=28,cfg=1,dly=2,fla=8192,ee=0
//MPU MICROCHIP PIC16F77A ,PIC16F 0 ,pkg=40,cfg=1,dly=2,fla=8192,ee=0
-----
MPU MICROCHIP PIC16F83 ,PIC16FEE 0 ,pkg=18,cfg=4,dly=10,fla=512,ee=64,vcc=5000
MPU MICROCHIP PIC16CR83 ,PIC16FEE 0 ,pkg=18,cfg=5,dly=10,fla=512,ee=64,vcc=5000
MPU MICROCHIP PIC16C84 ,PIC16FEE 0 ,pkg=18,cfg=4,dly=10,fla=1024,ee=64,vcc=5000
MPU MICROCHIP PIC16CR84 ,PIC16FEE 0 ,pkg=18,cfg=5,dly=10,fla=1024,ee=64,vcc=5000
MPU MICROCHIP PIC16F84 ,PIC16FEE 0 ,pkg=18,cfg=4,dly=10,fla=1024,ee=64,vcc=5000
MPU MICROCHIP PIC16F84A ,PIC16FEE 0 #05,60,pkg=18,cfg=4,dly=10,fla=1024,ee=64,vcc=5000

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-----
MPU MICROCHIP PIC16F870 ,PIC16FEE 0 #0d,00,pkg=28,cfg=0,dly=2,fla=2048,ee=64,vcc=5000
MPU MICROCHIP PIC16F871 ,PIC16FEE 0 #0d,20,pkg=40,cfg=0,dly=2,fla=2048,ee=64,vcc=5000
MPU MICROCHIP PIC16F872 ,PIC16FEE 0 #08,e0,pkg=28,cfg=0,dly=2,fla=2048,ee=64,vcc=5000
MPU MICROCHIP PIC16F873 ,PIC16FEE 0 #09,60,pkg=28,cfg=0,dly=2,fla=4096,ee=128,vcc=5000
MPU MICROCHIP PIC16F874 ,PIC16FEE 0 #09,20,pkg=40,cfg=0,dly=2,fla=4096,ee=128,vcc=5000
MPU MICROCHIP PIC16F876 ,PIC16FEE 0 #09,e0,pkg=28,cfg=0,dly=2,fla=8192,ee=256,vcc=5000
MPU MICROCHIP PIC16F877 ,PIC16FEE 0 #09,a0,pkg=40,cfg=0,dly=2,fla=8192,ee=256,vcc=5000
-----
MPU MICROCHIP PIC16F873A ,PIC1687XA 0 #0E,40,pkg=28,cfg=1,dly=2,fla=4096,ee=128,vcc=5000
MPU MICROCHIP PIC16F874A ,PIC1687XA 0 #0E,60,pkg=40,cfg=1,dly=2,fla=4096,ee=128,vcc=5000
MPU MICROCHIP PIC16F876A ,PIC1687XA 0 #0E,00,pkg=28,cfg=1,dly=2,fla=8192,ee=256,vcc=5000
MPU MICROCHIP PIC16F877A ,PIC1687XA 0 #0E,20,pkg=40,cfg=1,dly=2,fla=8192,ee=256,vcc=5000
-----//819i¼Æ818èµ,æ-™ä,ŠāŽ,ā@¶ā»£ç æœ%œé"™è" i¼
MPU MICROCHIP PIC16F818 ,PIC16F819 0 #00,00,pkg=18,cfg=1,dly=2,fla=1024,ee=128,vcc=5000
MPU MICROCHIP PIC16F819 ,PIC16F819 0 #00,00,pkg=18,cfg=1,dly=2,fla=2048,ee=256,vcc=5000
-----
//MPU MICROCHIP PIC12F629 ,PIC16FEE 0 ,pkg=18,cfg=4,dly=10,fla=1024,ee=64,

//MPU MICROCHIP PIC16F87 ,PIC16FEE 0 #07,20,pkg=18,cfg=9,dly=2,fla=4096,ee=256 // 2 configx14
//MPU MICROCHIP PIC16F88 ,PIC16FEE 0 #07,20,pkg=18,cfg=9,dly=2,fla=4096,ee=256
-----
MPU MICROCHIP PIC16F882(28P),PIC16F_NEW 0 #20,00 ,pkg=28,cfg=0,cfs=3,dly=6,fla=0x7ff,ee=128,vcc=5000
MPU MICROCHIP PIC16F883(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=0,cfs=3,dly=6,fla=0x0fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F886(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=0,cfs=3,dly=6,fla=0x1fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F884(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=0,cfs=3,dly=6,fla=0x0fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F887(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=0,cfs=3,dly=6,fla=0x1fff,ee=256,vcc=5000
-----
MPU MICROCHIP PIC16F913(28P),PIC16F_NEW 0 #13,e0 ,pkg=28,cfg=1,cfs=3,dly=6,fla=0x0x0fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F916(28P),PIC16F_NEW 0 #13,a0 ,pkg=28,cfg=1,cfs=3,dly=6,fla=0x1fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F914(40P),PIC16F_NEW 0 #13,c0 ,pkg=40,cfg=1,cfs=3,dly=6,fla=0x0fff,ee=256,vcc=5000
MPU MICROCHIP PIC16F917(40P),PIC16F_NEW 0 #13,80 ,pkg=40,cfg=1,cfs=3,dly=6,fla=0x1fff,ee=256,vcc=5000
-----
MPU MICROCHIP PIC16F722(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x7ff,ee=0,vcc=5000
MPU MICROCHIP PIC16F723(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x0fff,ee=0,vcc=5000
MPU MICROCHIP PIC16F726(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x1fff,ee=0,vcc=5000
-----
MPU MICROCHIP PIC16F724(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=2,cfs=2,dly=5,fla=0x0fff,ee=0,vcc=5000
MPU MICROCHIP PIC16F727(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=2,cfs=2,dly=5,fla=0x01fff,ee=0,vcc=5000
-----
MPU MICROCHIP PIC16LF722(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x7ff,ee=0,vcc=5000
MPU MICROCHIP PIC16LF723(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x0fff,ee=0,vcc=5000
MPU MICROCHIP PIC16LF726(28P),PIC16F_NEW 0 #00,00 ,pkg=28,cfg=2,cfs=2,dly=5,fla=0x1fff,ee=0,vcc=5000
-----
MPU MICROCHIP PIC16LF724(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=2,cfs=2,dly=5,fla=0x0fff,ee=0,vcc=5000
MPU MICROCHIP PIC16LF727(40P),PIC16F_NEW 0 #00,00 ,pkg=40,cfg=2,cfs=2,dly=5,fla=0x01fff,ee=0,vcc=5000
-----
#MPU-MICON
MPU MICON MDT10P62 ,MDT10P7X 1,cfg=0,len=2048,
MPU MICON MDT10P72 ,MDT10P7X 1,cfg=0,len=2048,
MPU MICON MDT10P721 ,MDT10P7X 1,cfg=0,len=4096,
MPU MICON MDT10P73 ,MDT10P7X 1,cfg=0,len=4096,
-----
MPU MICON MDT10P64 ,MDT10P7X 2,cfg=0,len=2048
MPU MICON MDT10P74 ,MDT10P7X 2,cfg=0,len=4096
MPU MICON MDT10P651 ,MDT10P7X 2,cfg=0,len=4096
MPU MICON MDT10P651-C ,MDT10P7X 2,cfg=0,len=4096
-----
MPU MICON MDT10P55A1/A3 ,MDT10P7X 3 ,cfg=2
MPU MICON MDT10P55A2/A4 ,MDT10P7X 3 ,cfg=3
MPU MICON MDT10P55B1/B3 ,MDT10P7X 3 ,cfg=2
MPU MICON MDT10P55B2/B4 ,MDT10P7X 3 ,cfg=3
MPU MICON MDT10P56A1/A3 ,MDT10P7X 4 ,cfg=2
MPU MICON MDT10P56A2/A4 ,MDT10P7X 4 ,cfg=3
MPU MICON MDT10P57A1/A3 ,MDT10P7X 3 ,cfg=4
MPU MICON MDT10P57A2/A4 ,MDT10P7X 3 ,cfg=4
MPU MICON MDT10P41A1 ,MDT10P7X 6,cfg=1
MPU MICON MDT10P41A2 ,MDT10P7X 6,cfg=1
MPU MICON MDT10P43 ,MDT10P7X 5,cfg=1
-----
MPU MICON MDT10P53A1/A3 ,MDT10P8PIN 1,cfg=0
MPU MICON MDT10P53A2/A4 ,MDT10P8PIN 1,cfg=1
-----
MPU MICON MDT10P21A1P ,MDT2000 1
MPU MICON MDT10P21A1S ,MDT2000 1
MPU MICON MDT10P21A2K ,MDT2000 1
MPU MICON MDT10P21A3S ,MDT2000 1
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MPU MICON MDT10P22A1P ,MDT2000 2
MPU MICON MDT10P22A1S ,MDT2000 2
MPU MICON MDT10P22A2K ,MDT2000 2
MPU MICON MDT10P22A3S ,MDT2000 2

MPU MICON MDT2005 ,MDT2000 1
MPU MICON MDT2005E ,MDT2000 1
MPU MICON MDT2010 ,MDT2000 2
MPU MICON MDT2010E ,MDT2000 2
MPU MICON MDT2015 ,MDT2000 3
MPU MICON MDT2020 ,MDT2000 4
MPU MICON MDT2020B ,MDT2000 4
MPU MICON MDT2030 ,MDT2000 5

MPU MICON MDT10P05 ,MDT2000 1
MPU MICON MDT10P20 ,MDT2000 4

MPU MICON MDT2051 ,MDT2051 1

#MPU-ELAN

//MPU ELAN EM78P153E ,EMC78P153 1
MPU ELAN EM78P153S,EMC78P153 1

MPU ELAN EM78P156E ,EMC78P156E 1
MPU ELAN EM78P256E ,EMC78P156E 2
MPU ELAN EM78P456E ,EMC78P156E 3

MPU ELAN EM78P247SA ,EMC78P447 1
MPU ELAN EM78P247SB ,EMC78P447 2
MPU ELAN EM78P447SA ,EMC78P447 3
MPU ELAN EM78P447SB ,EMC78P447 4

#MPU-VERSACHIP

MPU VERSACHIP V87C54 ,V87C58 1
MPU VERSACHIP V87C58 ,V87C58 2

#MPU-CRESCENTEC

MPU CRESCENTEC CR80P100 ,CR80PX00 1
MPU CRESCENTEC CR80P200 ,CR80PX00 2
//MPU CRESCENTEC STK99100 ,CR80PX00 3
//-----

#MPU-TOPTEK

MPU TOPTEK T81P54 ,CR80PX00 3
MPU TOPTEK T80P54 ,CR80PX00 1 add=128
MPU TOPTEK T80P57 ,CR80PX00 2 add=0
MPU TOPTEK T80P65 ,P16C61 4 add=482
MPU TOPTEK T52 ,STC89 2,vcc=3300

#MPU-ISSI

MPU ISSI IS89C51A ,IS89C52 1 #d5,52,55
MPU ISSI IS89C52A ,IS89C52 2 #d5,52,55
MPU ISSI IS89LV51A ,IS89C52 3 #d5,52,55
MPU ISSI IS89LV52A ,IS89C52 4 #d5,52,55

#MPU-TOPRO

MPU TOPRO TP2804H ,TP2804 5 ,vcc=4400
MPU TOPRO TP2804L ,TP2804 5 ,vcc=4400
MPU TOPRO TP2808H ,TP2808 6 ,vcc=4400
MPU TOPRO TP2808L ,TP2808 6 ,vcc=4400

MPU HMWIN H5813(DIP20) ,W79E82X 2 ,vcc=5000,len=4096,ee=128
MPU HMWIN H5813(SOP20) ,W79E82X 2 ,vcc=5000,len=4096,ee=128
MPU HMWIN H5815(DIP20) ,W79E82X 2 ,vcc=5000,len=16384,ee=256
MPU HMWIN H5815(SOP) ,W79E82X 2 ,vcc=5000,len=16384,ee=256

#MPU-ST_STM32F_ISP

//32fxxx ISP:

MPU ST_STM32F_ISP STM32F0xx_4(16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=4,
MPU ST_STM32F_ISP STM32F0xx_6(32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=4,
MPU ST_STM32F_ISP STM32F0xx_8(64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=4,

MPU ST_STM32F_ISP STM32F1xx_4(16K),STM32ISP 1 ,vcc=3300,len=0x4000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_6(32K),STM32ISP 1 ,vcc=3300,len=0x8000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_8(64K),STM32ISP 1 ,vcc=3300,len=0x10000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_B(128K),STM32ISP 1 ,vcc=3300,len=0x20000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_C(256K),STM32ISP 1 ,vcc=3300,len=0x40000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_D(384K),STM32ISP 1 ,vcc=3300,len=0x60000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_E(512K),STM32ISP 1 ,vcc=3300,len=0x80000,pkg=4,

MPU ST_STM32F_ISP STM32F1xx_F(768K),STM32ISP 1 ,vcc=3300,len=0xc0000,pkg=4,
MPU ST_STM32F_ISP STM32F1xx_G(1024K),STM32ISP 1 ,vcc=3300,len=0x100000,pkg=4,

MPU ST_STM32F_ISP STM32F2xx_8(64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_B(128K),STM32F207ISP 1 ,vcc=3300,len=0x20000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_C(256K),STM32F207ISP 1 ,vcc=3300,len=0x40000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_D(384K),STM32F207ISP 1 ,vcc=3300,len=0x60000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_E(512K),STM32F207ISP 1 ,vcc=3300,len=0x80000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_F(768K),STM32F207ISP 1 ,vcc=3300,len=0xc0000,pkg=4,
MPU ST_STM32F_ISP STM32F2xx_G(1024K),STM32F207ISP 1 ,vcc=3300,len=0x100000,pkg=4,

MPU ST_STM32F_ISP STM32F4xx_E(512K),STM32F207ISP 1 ,vcc=3300,len=0x80000,pkg=4,
MPU ST_STM32F_ISP STM32F4xx_G(1024K),STM32F207ISP 1 ,vcc=3300,len=0x100000,pkg=4,

#MPU-ST_STM32F0XX

//32f030:

MPU ST_STM32F0XX STM32F030F4(TSSOP20-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=20,
MPU ST_STM32F0XX STM32F030F4(TSSOP20-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=20,
MPU ST_STM32F0XX STM32F030F4(TSSOP20-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=20,

MPU ST_STM32F0XX STM32F030F4(LQFP32-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=32,
MPU ST_STM32F0XX STM32F030F4(LQFP32-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=32,
MPU ST_STM32F0XX STM32F030F4(LQFP32-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=32,

MPU ST_STM32F0XX STM32F030C4(LQFP48-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=49,
MPU ST_STM32F0XX STM32F030C6(LQFP48-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=49,
MPU ST_STM32F0XX STM32F030C8(LQFP48-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=49,

MPU ST_STM32F0XX STM32F030R4(LQFP64-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=65,
MPU ST_STM32F0XX STM32F030R6(LQFP64-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=65,
MPU ST_STM32F0XX STM32F030R8(LQFP64-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=65,

//32f051:

MPU ST_STM32F0XX STM32F051K4(LQFP32-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=33,
MPU ST_STM32F0XX STM32F051K6(LQFP32-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=33,
MPU ST_STM32F0XX STM32F051K8(LQFP32-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=33

MPU ST_STM32F0XX STM32F051C4(LQFP48-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=49,
MPU ST_STM32F0XX STM32F051C6(LQFP48-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=49,
MPU ST_STM32F0XX STM32F051C8(LQFP48-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=49,

MPU ST_STM32F0XX STM32F051R4(LQFP64-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=65,
MPU ST_STM32F0XX STM32F051R6(LQFP64-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=65,
MPU ST_STM32F0XX STM32F051R8(LQFP64-64K),STM32F207ISP 1 ,vcc=3300,len=0x10000,pkg=65,

//32f050:

MPU ST_STM32F0XX STM32F050K4(LQFP32-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=33,
MPU ST_STM32F0XX STM32F050K6(LQFP32-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=33,
MPU ST_STM32F0XX STM32F050C4(LQFP48-16K),STM32F207ISP 1 ,vcc=3300,len=0x4000,pkg=49,
MPU ST_STM32F0XX STM32F050C6(LQFP48-32K),STM32F207ISP 1 ,vcc=3300,len=0x8000,pkg=49,

#MPU-ST_STM32F1XX

MPU ST_STM32F1XX STM32F103T6(VFQFPN36-32K),STM32ISP 1 ,vcc=3300,len=0x8000,pkg=36,isp=0;
MPU ST_STM32F1XX STM32F103T8(VFQFPN36-64K),STM32ISP 1 ,vcc=3300,len=0x10000,pkg=36,isp=0;
//100

MPU ST_STM32F1XX STM32F100C4(LQFP48-16K),STM32ISP 1 ,vcc=3300,len=0x4000,pkg=48,isp=0;
MPU ST_STM32F1XX STM32F100C6(LQFP48-32K),STM32ISP 1 ,vcc=3300,len=0x8000,pkg=48,isp=0;
MPU ST_STM32F1XX STM32F100C8(LQFP48-64K),STM32ISP 1 ,vcc=3300,len=0x10000,pkg=48,isp=0;
MPU ST_STM32F1XX STM32F100CB(LQFP48-128K),STM32ISP 1 ,vcc=3300,len=0x20000,pkg=48,isp=0;

MPU ST_STM32F1XX STM32F100R4(LQFP64-16K),STM32ISP 1 ,vcc=3300,len=0x4000,pkg=64,isp=0;
MPU ST_STM32F1XX STM32F100R6(LQFP64-32K),STM32ISP 1 ,vcc=3300,len=0x8000,pkg=64,isp=0;
MPU ST_STM32F1XX STM32F100R8(LQFP64-64K),STM32ISP 1 ,vcc=3300,len=0x10000,pkg=64,isp=0;
MPU ST_STM32F1XX STM32F100RB(LQFP64-128K),STM32ISP 1 ,vcc=3300,len=0x20000,pkg=64,isp=0;
MPU ST_STM32F1XX STM32F100RC(LQFP64-256K),STM32ISP 1 ,vcc=3300,len=0x40000,pkg=64,isp=0;
MPU ST_STM32F1XX STM32F100RE(LQFP64-512K),STM32ISP 1 ,vcc=3300,len=0x80000,pkg=64,isp=0;

MPU ST_STM32F1XX STM32F100V8(LQFP100-64K),STM32ISP 1 ,vcc=3300,len=0x10000,pkg=100,isp=0;
MPU ST_STM32F1XX STM32F100VB(LQFP100-128K),STM32ISP 1 ,vcc=3300,len=0x20000,pkg=100,isp=0;
MPU ST_STM32F1XX STM32F100VC(LQFP100-256K),STM32ISP 1 ,vcc=3300,len=0x40000,pkg=100,isp=0;
MPU ST_STM32F1XX STM32F100VE(LQFP100-512K),STM32ISP 1 ,vcc=3300,len=0x80000,pkg=100,isp=0;

MPU ST_STM32F1XX STM32F100ZC(LQFP144-256K),STM32ISP 1 ,vcc=3300,len=0x40000,pkg=144,isp=0;
MPU ST_STM32F1XX STM32F100ZD(LQFP144-384K),STM32ISP 1 ,vcc=3300,len=0x60000,pkg=144,isp=0;
MPU ST_STM32F1XX STM32F100ZE(LQFP144-512K),STM32ISP 1 ,vcc=3300,len=0x80000,pkg=144,isp=0;

//101

MPU ST_STM32F1XX STM32f101T4(VFQFPN36-16K),STM32ISP 1 ,vcc=3300,len=0x4000,pkg=36,isp=0;
MPU ST_STM32F1XX STM32f101T6(VFQFPN36-32K),STM32ISP 1 ,vcc=3300,len=0x8000,pkg=36,isp=0;

MPU STC_15F/L STC15L103E(3K+2K),STC15L104E 1 #f2,d3,vcc=5000,len=0x0c00,ee=2048,
MPU STC_15F/L STC15L104E(4K+1K),STC15L104E 1 #f2,d4,vcc=5000,len=0x1000,ee=1024, //ok(dip8)
MPU STC_15F/L STC15L105E(5K),STC15L104E 1 #00,00,vcc=5000,len=0x1400,ee=0;

MPU STC_15F/L STC15F101S(1K) ,STC15F104E 1,vcc=5000,len=0x0400,ee=0,
MPU STC_15F/L STC15F102S(2K) ,STC15F104E 1,vcc=5000,len=0x0800,ee=0,
MPU STC_15F/L STC15F103S(3K) ,STC15F104E 1,vcc=5000,len=0x0c00,ee=0,
MPU STC_15F/L STC15F104S(4K) ,STC15F104E 1,vcc=5000,len=0x1000,ee=0,

//MPU STC_15F/L STC15F104Test(4K+1K),STC15f204EA 1 #00,00,vcc=5000,len=0x1000,cfg=0, //ok

MPU STC_15F/L STC15F101W(1K+4K),STC15F104W 1 #f2,91,vcc=5000,len=0x0400,cfg=0, //ok sop8
MPU STC_15F/L STC15F102W(2K+3K),STC15F104W 1 #f2,92,vcc=5000,len=0x0800,cfg=0,
MPU STC_15F/L STC15F102W(3K+2K),STC15F104W 1 #f2,93,vcc=5000,len=0x0c00,cfg=0,
MPU STC_15F/L STC15F104W(4K+1K),STC15F104W 1 #f2,94,vcc=5000,len=0x1000,cfg=0, //dip8,sop8
MPU STC_15F/L STC15F105W(5K),STC15F104W 1 #00,00,vcc=5000,len=0x1400,cfg=0,

MPU STC_15F/L STC15L101W(1K+4K),STC15F104W 1 #f2,00,vcc=5000,len=0x0400,cfg=1,
MPU STC_15F/L STC15L102W(2K+3K),STC15F104W 1 #f2,00,vcc=5000,len=0x0800,cfg=1,
MPU STC_15F/L STC15L102W(3K+2K),STC15F104W 1 #f2,00,vcc=5000,len=0x0c00,cfg=1,
MPU STC_15F/L STC15L104W(4K+1K),STC15F104W 1 #f2,00,vcc=5000,len=0x1000,cfg=1, //dip/sop8
MPU STC_15F/L STC15L105W(5K),STC15F104W 1 #f2,f5,vcc=5000,len=0x1400,cfg=1, //ok sop8

MPU STC_15F/L STC15F201EA(1K+4K),STC15f204EA 1 #f3,91,vcc=5000,len=0x0400,cfg=0,
MPU STC_15F/L STC15F202EA(2K+3K),STC15f204EA 1 #f3,92,vcc=5000,len=0x0800,cfg=0,
MPU STC_15F/L STC15F203EA(3K+2K),STC15f204EA 1 #f3,93,vcc=5000,len=0x0c00,cfg=0,
MPU STC_15F/L STC15F204EA(4K+1K),STC15f204EA 1 #f3,94,vcc=5000,len=0x1000,cfg=0, //ok dip20
//MPU STC_15F/L STC15F205EA(5K),STC15f204EA 1 #f3,95,vcc=5000,len=0x1400,cfg=0,

MPU STC_15F/L STC15L201EA(1K+4K),STC15f204EA 1 #f3,d1,vcc=5000,len=0x0400,cfg=1,
MPU STC_15F/L STC15L202EA(2K+3K),STC15f204EA 1 #f3,d2,vcc=5000,len=0x0800,cfg=1,
MPU STC_15F/L STC15L203EA(3K+2K),STC15f204EA 1 #f3,d3,vcc=5000,len=0x0c00,cfg=1,
MPU STC_15F/L STC15L204EA(4K+1K),STC15f204EA 1 #f3,d4,vcc=5000,len=0x1000,cfg=1, //ok sop28
//MPU STC_15F/L STC15L205EA(5K),STC15f204EA 1 #f3,d5,vcc=5000,len=0x1400,cfg=1,

MPU STC_15F/L STC15F404AD(4K+9K),STC15f408 1 #f4,0b,vcc=5000,len=0x1000,max=0x3400,cfg=0,
MPU STC_15F/L STC15F408AD(8K+5K),STC15f408 1 #f4,0b,vcc=5000,len=0x2000,max=0x3400,cfg=0, //ok
MPU STC_15F/L STC15F412AD(12K+1K),STC15f408 1 #f4,0b,vcc=5000,len=0x3000,max=0x3400,cfg=0,
MPU STC_15F/L STC15F413AD(13K),STC15f408 1 #f4,0b,vcc=5000,len=0x3400,max=0x3400,cfg=0,

//MPU STC_15F/L STC15L408AD(8K+5K),STC15f408 1 #f4,8b,vcc=5000,len=0x2000,max=0x3400,cfg=0, //ä¹°æ ¥çš,,æ ·ä“ æœ%é—@é¢~

MPU STC_15F/L STC15F2K08S2(8K+53K) ,STC15F2K60S2 1 #f4,01,vcc=5000,len=0x2000, //sop28,ok
MPU STC_15F/L STC15F2K16S2(16K+45K),STC15F2K60S2 1 #f4,02,vcc=5000,len=0x4000, //ok
MPU STC_15F/L STC15F2K24S2(24K+37K),STC15F2K60S2 1 #f4,03,vcc=5000,len=0x6000,
MPU STC_15F/L STC15F2K32S2(32K+29K),STC15F2K60S2 1 #f4,04,vcc=5000,len=0x8000, //ok
MPU STC_15F/L STC15F2K40S2(40K+22K),STC15F2K60S2 1 #f4,05,vcc=5000,len=0xa000,
MPU STC_15F/L STC15F2K48S2(48K+13K),STC15F2K60S2 1 #f4,05,vcc=5000,len=0xc000,
MPU STC_15F/L STC15F2K56S2(56K+5K),STC15F2K60S2 1 #f4,06,vcc=5000,len=0xe000,
MPU STC_15F/L STC15F2K60S2(60K+1K),STC15F2K60S2 1 #f4,08,vcc=5000,len=0xf000, //ok
MPU STC_15F/L IAP15F2K61S2(61K),STC15F2K60S2 1 #f4,49,vcc=5000,len=0xf400, //ok

MPU STC_15F/L STC15L2K08S2(8K+53K) ,STC15F2K60S2 1 #f4,81,vcc=5000,len=0x2000,cfg=1,;
MPU STC_15F/L STC15L2K16S2(16K+45K),STC15F2K60S2 1 #f4,82,vcc=5000,len=0x4000,cfg=1,;
MPU STC_15F/L STC15L2K24S2(24K+37K),STC15F2K60S2 1 #f4,83,vcc=5000,len=0x6000,cfg=1,
MPU STC_15F/L STC15L2K32S2(32K+29K),STC15F2K60S2 1 #f4,84,vcc=5000,len=0x8000,cfg=1, //ok
MPU STC_15F/L STC15L2K40S2(40K+22K),STC15F2K60S2 1 #f4,85,vcc=5000,len=0xa000,cfg=1,
MPU STC_15F/L STC15L2K48S2(48K+13K),STC15F2K60S2 1 #f4,86,vcc=5000,len=0xc000,cfg=1,
MPU STC_15F/L STC15L2K56S2(56K+5K),STC15F2K60S2 1 #f4,87,vcc=5000,len=0xe000,cfg=1,
MPU STC_15F/L STC15L2K60S2(60K+1K),STC15F2K60S2 1 #f4,88,vcc=5000,len=0xf000,cfg=1,
MPU STC_15F/L IAP15L2K61S2(61K),STC15F2K60S2 1 #f4,c9,vcc=5000,len=0xf400, //ok

//15W:

MPU STC_15W STC15W404AS(4K+9K),STC15W408 1 #f5,1e,vcc=5000,len=0x1000,max=0x3400,cfg=0,
MPU STC_15W STC15W408AS(8K+5K),STC15W408 1 #f5,1f,vcc=5000,len=0x2000,max=0x3400,cfg=0, //ok
MPU STC_15W STC15W412AS(12K+1K),STC15W408 1 #00,00,vcc=5000,len=0x3000,max=0x3400,cfg=0,
MPU STC_15W STC15W413AS(13K),STC15W408 1 #00,00,vcc=5000,len=0x3400,max=0x3400,cfg=0,

MPU STC_15W STC15W404S(4K+9K),STC15W408 1 #f5,19,vcc=5000,len=0x1000,max=0x3400,cfg=0, //ok
MPU STC_15W STC15W408S(8K+5K),STC15W408 1 #f5,1a,vcc=5000,len=0x2000,max=0x3400,cfg=0, //ok
MPU STC_15W STC15W412S(12K+1K),STC15W408 1 #00,00,vcc=5000,len=0x3000,max=0x3400,cfg=0,
MPU STC_15W STC15W413S(13K),STC15W408 1 #00,00,vcc=5000,len=0x3400,max=0x3400,cfg=0,

//-----

MPU STC_15W STC15W201S(1K+4K),STC15W204 1 #f5,11,vcc=5000,len=0x0400,cfg=0, //ok
MPU STC_15W STC15W202S(2K+3K),STC15W204 1 #f5,12,vcc=5000,len=0x0800,cfg=0, //ok(â¼¼€âš¿â¼±é™™)
MPU STC_15W STC15W203S(3K+2K),STC15W204 1 #f5,13,vcc=5000,len=0x0c00,cfg=0,
MPU STC_15W STC15W204S(4K+1K),STC15W204 1 #f5,14,vcc=5000,len=0x1000,cfg=0, //ok
MPU STC_15W STC15W205S(5K),STC15W204 1 #f5,55,vcc=5000,len=0x1400,cfg=0, //sop16,dip16 ok

MPU STC_15W STC15W_V7XXtest,STC15W408 1 #f5,00,vcc=5000,len=0x2000,max=0x3400,cfg=0,

//-----

MPU STC_10F STC11F02(40pin),STC10ISP 1,vcc=5000,len=0x0800,pkg=40
MPU STC_10F STC11F04(40pin),STC10ISP 1,vcc=5000,len=0x1000,pkg=40
MPU STC_10F STC11F06(40pin),STC10ISP 1,vcc=5000,len=0x1800,pkg=40
MPU STC_10F STC11F08(40pin),STC10ISP 1,vcc=5000,len=0x2000,pkg=40
MPU STC_10F STC11F10(40pin),STC10ISP 1,vcc=5000,len=0x2800,pkg=40
MPU STC_10F STC11F12(40pin),STC10ISP 1,vcc=5000,len=0x3000,pkg=40

MPU STC_10F/L STC10L02(40pin),STC10ISP 1,vcc=3300,len=0x0800,pkg=40
MPU STC_10F/L STC10L04(40pin),STC10ISP 1,vcc=3300,len=0x1000,pkg=40
MPU STC_10F/L STC10L06(40pin),STC10ISP 1,vcc=3300,len=0x1800,pkg=40
MPU STC_10F/L STC10L08(40pin),STC10ISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_10F/L STC10L10(40pin),STC10ISP 1,vcc=3300,len=0x2800,pkg=40
MPU STC_10F/L STC10L12(40pin),STC10ISP 1,vcc=3300,len=0x3000,pkg=40

----- 20 pin

MPU STC_11F/L STC11F01(20pin),STC11F02ISP 1,vcc=5000,len=0x400,pkg=20
MPU STC_11F/L STC11F02(20pin),STC11F02ISP 1,vcc=5000,len=0x800,pkg=20
MPU STC_11F/L STC11F03(20pin),STC11F02ISP 1,vcc=5000,len=0xc00,pkg=20
MPU STC_11F/L STC11F04(20pin),STC11F02ISP 1,vcc=5000,len=0x1000,pkg=20
MPU STC_11F/L STC11F05(20pin),STC11F02ISP 1,vcc=5000,len=0x1400,pkg=20

MPU STC_11F/L STC11L01(20pin),STC11F02ISP 1,vcc=3300,len=0x400,pkg=20
MPU STC_11F/L STC11L02(20pin),STC11F02ISP 1,vcc=3300,len=0x800,pkg=20
MPU STC_11F/L STC11L03(20pin),STC11F02ISP 1,vcc=3300,len=0xc00,pkg=20
MPU STC_11F/L STC11L04(20pin),STC11F02ISP 1,vcc=3300,len=0x1000,pkg=20
MPU STC_11F/L STC11L05(20pin),STC11F02ISP 1,vcc=3300,len=0x1400,pkg=20

MPU STC_11F/L STC11F08(40pin),STC11F32ISP 1,vcc=5000,len=0x2000,pkg=40
MPU STC_11F/L STC11F16(40pin),STC11F32ISP 1,vcc=5000,len=0x4000,pkg=40
MPU STC_11F/L STC11F20(40pin),STC11F32ISP 1,vcc=5000,len=0x6000,pkg=40
MPU STC_11F/L STC11F32(40pin),STC11F32ISP 1,vcc=5000,len=0x8000,pkg=40
MPU STC_11F/L STC11F40(40pin),STC11F32ISP 1,vcc=5000,len=0xa000,pkg=40
MPU STC_11F/L STC11F48(40pin),STC11F32ISP 1,vcc=5000,len=0xc000,pkg=40
MPU STC_11F/L STC11F52(40pin),STC11F32ISP 1,vcc=5000,len=0xd000,pkg=40
MPU STC_11F/L STC11F56(40pin),STC11F32ISP 1,vcc=5000,len=0xe000,pkg=40
MPU STC_11F/L STC11F60(40pin),STC11F32ISP 1,vcc=5000,len=0xf000,pkg=40

MPU STC_11F/L STC11L08(40pin),STC11F32ISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_11F/L STC11L16(40pin),STC11F32ISP 1,vcc=3300,len=0x4000,pkg=40
MPU STC_11F/L STC11L20(40pin),STC11F32ISP 1,vcc=3300,len=0x6000,pkg=40
MPU STC_11F/L STC11L32(40pin),STC11F32ISP 1,vcc=3300,len=0x8000,pkg=40
MPU STC_11F/L STC11L40(40pin),STC11F32ISP 1,vcc=3300,len=0xa000,pkg=40
MPU STC_11F/L STC11L48(40pin),STC11F32ISP 1,vcc=3300,len=0xc000,pkg=40
MPU STC_11F/L STC11L52(40pin),STC11F32ISP 1,vcc=3300,len=0xd000,pkg=40
MPU STC_11F/L STC11L56(40pin),STC11F32ISP 1,vcc=3300,len=0xe000,pkg=40
MPU STC_11F/L STC11L60(40pin),STC11F32ISP 1,vcc=3300,len=0xf000,pkg=40

MPU STC_12C/LE STC12C5A08(40pin),STC12C5AISP 1,vcc=5000,len=0x2000,pkg=40
MPU STC_12C/LE STC12C5A16(40pin),STC12C5AISP 1,vcc=5000,len=0x4000,pkg=40
MPU STC_12C/LE STC12C5A32(40pin),STC12C5AISP 1,vcc=5000,len=0x8000,pkg=40
MPU STC_12C/LE STC12C5A40(40pin),STC12C5AISP 1,vcc=5000,len=0xa000,pkg=40
MPU STC_12C/LE STC12C5A48(40pin),STC12C5AISP 1,vcc=5000,len=0xc000,pkg=40
MPU STC_12C/LE STC12C5A52(40pin),STC12C5AISP 1,vcc=5000,len=0xd000,pkg=40
MPU STC_12C/LE STC12C5A56(40pin),STC12C5AISP 1,vcc=5000,len=0xe000,pkg=40
MPU STC_12C/LE STC12C5A60(40pin),STC12C5AISP 1,vcc=5000,len=0xf000,pkg=40

MPU STC_12C/LE STC12LE5A08(40pin),STC12C5AISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_12C/LE STC12LE5A16(40pin),STC12C5AISP 1,vcc=3300,len=0x4000,pkg=40
MPU STC_12C/LE STC12LE5A32(40pin),STC12C5AISP 1,vcc=3300,len=0x8000,pkg=40
MPU STC_12C/LE STC12LE5A40(40pin),STC12C5AISP 1,vcc=3300,len=0xa000,pkg=40
MPU STC_12C/LE STC12LE5A48(40pin),STC12C5AISP 1,vcc=3300,len=0xc000,pkg=40
MPU STC_12C/LE STC12LE5A52(40pin),STC12C5AISP 1,vcc=3300,len=0xd000,pkg=40
MPU STC_12C/LE STC12LE5A56(40pin),STC12C5AISP 1,vcc=3300,len=0xe000,pkg=40
MPU STC_12C/LE STC12LE5A60(40pin),STC12C5AISP 1,vcc=3300,len=0xf000,pkg=40

----- 20pin

MPU STC_12C/LE STC12C5201(20Pin),STC12C52XXISP 1,vcc=5000,len=0x0400,pkg=20
MPU STC_12C/LE STC12C5202(20Pin),STC12C52XXISP 1,vcc=5000,len=0x0800,pkg=20
MPU STC_12C/LE STC12C5203(20Pin),STC12C52XXISP 1,vcc=5000,len=0x0c00,pkg=20
MPU STC_12C/LE STC12C5204(20Pin),STC12C52XXISP 1,vcc=5000,len=0x1000,pkg=20
MPU STC_12C/LE STC12C5205(20Pin),STC12C52XXISP 1,vcc=5000,len=0x1400,pkg=20
MPU STC_12C/LE STC12C5206(20Pin),STC12C52XXISP 1,vcc=5000,len=0x1800,pkg=20

MPU STC_12C/LE STC12CLE201(20Pin),STC12C52XXISP 1,vcc=3300,len=0x0400,pkg=20
MPU STC_12C/LE STC12LE5202(20Pin),STC12C52XXISP 1,vcc=3300,len=0x0800,pkg=20
MPU STC_12C/LE STC12LE5203(20Pin),STC12C52XXISP 1,vcc=3300,len=0x0c00,pkg=20
MPU STC_12C/LE STC12LE5204(20Pin),STC12C52XXISP 1,vcc=3300,len=0x1000,pkg=20

[illegible]


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MPU STC_12C/LE STC12LE5601(28pin),STC12C56XXISP 1,vcc=3300,len=0x0400,pkg=28
MPU STC_12C/LE STC12LE5602(28pin),STC12C56XXISP 1,vcc=3300,len=0x0800,pkg=28
MPU STC_12C/LE STC12LE5603(28pin),STC12C56XXISP 1,vcc=3300,len=0x0c00,pkg=28
MPU STC_12C/LE STC12LE5604(28pin),STC12C56XXISP 1,vcc=3300,len=0x1000,pkg=28
MPU STC_12C/LE STC12LE5605(28pin),STC12C56XXISP 1,vcc=3300,len=0x1400,pkg=28
MPU STC_12C/LE STC12LE5606(28pin),STC12C56XXISP 1,vcc=3300,len=0x1800,pkg=28
MPU STC_12C/LE STC12LE5608(28pin),STC12C56XXISP 1,vcc=3300,len=0x2000,pkg=28
MPU STC_12C/LE STC12LE5612(28pin),STC12C56XXISP 1,vcc=3300,len=0x3000,pkg=28
MPU STC_12C/LE STC12LE5616(28pin),STC12C56XXISP 1,vcc=3300,len=0x4000,pkg=28
MPU STC_12C/LE STC12LE5620(28pin),STC12C56XXISP 1,vcc=3300,len=0x5000,pkg=28
MPU STC_12C/LE STC12LE5624(28pin),STC12C56XXISP 1,vcc=3300,len=0x6000,pkg=28
MPU STC_12C/LE STC12LE5628(28pin),STC12C56XXISP 1,vcc=3300,len=0x7000,pkg=28
MPU STC_12C/LE STC12LE5630(28pin),STC12C56XXISP 1,vcc=3300,len=0x7800,pkg=28
```

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MPU STC_12C/LE STC12LE5601(32pin),STC12C56XXISP 1,vcc=3300,len=0x0400,pkg=32
MPU STC_12C/LE STC12LE5602(32pin),STC12C56XXISP 1,vcc=3300,len=0x0800,pkg=32
MPU STC_12C/LE STC12LE5603(32pin),STC12C56XXISP 1,vcc=3300,len=0x0c00,pkg=32
MPU STC_12C/LE STC12LE5604(32pin),STC12C56XXISP 1,vcc=3300,len=0x1000,pkg=32
MPU STC_12C/LE STC12LE5605(32pin),STC12C56XXISP 1,vcc=3300,len=0x1400,pkg=32
MPU STC_12C/LE STC12LE5606(32pin),STC12C56XXISP 1,vcc=3300,len=0x1800,pkg=32
MPU STC_12C/LE STC12LE5608(32pin),STC12C56XXISP 1,vcc=3300,len=0x2000,pkg=32
MPU STC_12C/LE STC12LE5612(32pin),STC12C56XXISP 1,vcc=3300,len=0x3000,pkg=32
MPU STC_12C/LE STC12LE5616(32pin),STC12C56XXISP 1,vcc=3300,len=0x4000,pkg=32
MPU STC_12C/LE STC12LE5620(32pin),STC12C56XXISP 1,vcc=3300,len=0x5000,pkg=32
MPU STC_12C/LE STC12LE5624(32pin),STC12C56XXISP 1,vcc=3300,len=0x6000,pkg=32
MPU STC_12C/LE STC12LE5628(32pin),STC12C56XXISP 1,vcc=3300,len=0x7000,pkg=32
MPU STC_12C/LE STC12LE5630(32pin),STC12C56XXISP 1,vcc=3300,len=0x7800,pkg=32

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MPU STC_12C/LE STC12LE1052AD(20pin),STC12C2052ADISP 1,vcc=3300,len=0x400,pkg=20
MPU STC_12C/LE STC12LE2052AD(20pin),STC12C2052ADISP 1,vcc=3300,len=0x800,pkg=20
MPU STC_12C/LE STC12LE3052AD(20pin),STC12C2052ADISP 1,vcc=3300,len=0xc00,pkg=20
MPU STC_12C/LE STC12LE4052AD(20pin),STC12C2052ADISP 1,vcc=3300,len=0x1000,pkg=20
MPU STC_12C/LE STC12LE5052AD(20pin),STC12C2052ADISP 1,vcc=3300,len=0x1400,pkg=20

MPU STC_12C/LE STC12LE1052(20pin),STC12C2052_ISP 1,vcc=3300,len=0x400,pkg=20
MPU STC_12C/LE STC12LE2052(20pin),STC12C2052_ISP 1,vcc=3300,len=0x800,pkg=20
MPU STC_12C/LE STC12LE3052(20pin),STC12C2052_ISP 1,vcc=3300,len=0xc00,pkg=20
MPU STC_12C/LE STC12LE4052(20pin),STC12C2052_ISP 1,vcc=3300,len=0x1000,pkg=20
MPU STC_12C/LE STC12LE5052(20pin),STC12C2052_ISP 1,vcc=3300,len=0x1400,pkg=20

MPU STC_89C/L STC89LE51RC(40pin),STC89C52ISP 1,vcc=3300,len=0x1000,pkg=40
MPU STC_89C/L STC89LE52RC(40pin),STC89C52ISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_89C/L STC89LE53RC(40pin),STC89C52ISP 1,vcc=3300,len=0x3000,pkg=40
MPU STC_89C/L STC89LE54RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x4000,pkg=40
MPU STC_89C/L STC89LE55RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x5000,pkg=40
MPU STC_89C/L STC89LE58RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x8000,pkg=40
MPU STC_89C/L STC89LE516RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xf400,pkg=40

MPU STC_90C/L STC90C51RC(40pin),STC89C52ISP 1,vcc=5000,len=0x1000,pkg=40
MPU STC_90C/L STC90C52RC(40pin),STC89C52ISP 1,vcc=5000,len=0x2000,pkg=40
MPU STC_90C/L STC90C53RC(40pin),STC89C52ISP 1,vcc=5000,len=0x3800,pkg=40
MPU STC_90C/L STC90C06RC(40pin),STC89C52ISP 1,vcc=5000,len=0x1800,pkg=40
MPU STC_90C/L STC90C07RC(40pin),STC89C52ISP 1,vcc=5000,len=0x1c00,pkg=40
MPU STC_90C/L STC90C10RC(40pin),STC89C52ISP 1,vcc=5000,len=0x2800,pkg=40
MPU STC_90C/L STC90C12RC(40pin),STC89C52ISP 1,vcc=5000,len=0x3000,pkg=40

MPU STC_90C/L STC90C51RD+(40pin),STC89C52ISP 1,vcc=5000,len=0x1000,pkg=40
MPU STC_90C/L STC90C52RD+(40pin),STC89C52ISP 1,vcc=5000,len=0x2000,pkg=40
MPU STC_90C/L STC90C54RD+(40pin),STC89C52ISP 1,vcc=5000,len=0x4000,pkg=40
MPU STC_90C/L STC90C55RD+(40pin),STC89C52ISP 1,vcc=5000,len=0x5000,pkg=40
MPU STC_90C/L STC90C58RD+(40pin),STC89C52ISP 1,vcc=5000,len=0x8000,pkg=40
MPU STC_90C/L STC90C510RD+(40pin),STC89C52ISP 1,vcc=5000,len=0xa000,pkg=40
MPU STC_90C/L STC90C512RD+(40pin),STC89C52ISP 1,vcc=5000,len=0xc000,pkg=40
MPU STC_90C/L STC90C513RD+(40pin),STC89C52ISP 1,vcc=5000,len=0xd000,pkg=40
MPU STC_90C/L STC90C514RD+(40pin),STC89C52ISP 1,vcc=5000,len=0xe000,pkg=40
MPU STC_90C/L STC90C516RD+(40pin),STC89C52ISP 1,vcc=5000,len=0xf400,pkg=40

MPU STC_90C/L STC90LE51RC(40pin),STC89C52ISP 1,vcc=3300,len=0x1000,pkg=40
MPU STC_90C/L STC90LE52RC(40pin),STC89C52ISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_90C/L STC90LE53RC(40pin),STC89C52ISP 1,vcc=3300,len=0x3800,pkg=40
MPU STC_90C/L STC90LE06RC(40pin),STC89C52ISP 1,vcc=3300,len=0x1800,pkg=40
MPU STC_90C/L STC90LE07RC(40pin),STC89C52ISP 1,vcc=3300,len=0x1c00,pkg=40
MPU STC_90C/L STC90LE10RC(40pin),STC89C52ISP 1,vcc=3300,len=0x2800,pkg=40
MPU STC_90C/L STC90LE12RC(40pin),STC89C52ISP 1,vcc=3300,len=0x3000,pkg=40

MPU STC_90C/L STC90LE51RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x1000,pkg=40
MPU STC_90C/L STC90LE52RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x2000,pkg=40
MPU STC_90C/L STC90LE54RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x4000,pkg=40
MPU STC_90C/L STC90LE55RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x5000,pkg=40
MPU STC_90C/L STC90LE58RD+(40pin),STC89C52ISP 1,vcc=3300,len=0x8000,pkg=40
MPU STC_90C/L STC90LE510RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xa000,pkg=40
MPU STC_90C/L STC90LE512RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xc000,pkg=40
MPU STC_90C/L STC90LE513RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xd000,pkg=40
MPU STC_90C/L STC90LE514RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xe000,pkg=40
MPU STC_90C/L STC90LE516RD+(40pin),STC89C52ISP 1,vcc=3300,len=0xf400,pkg=40//-----

#MPU-SINOWEALTH

MPU SINOWEALTH SH89F52D,SH88FISP 1,len=0x2000,pkg=40,cfg=0
MPU SINOWEALTH SH88F54D,SH88FISP 1,len=0x4000,pkg=40,cfg=0
MPU SINOWEALTH SH88F516D,SH88FISP 1,len=0xfc00,pkg=40,cfg=0

MPU SINOWEALTH SH88F2051,SH88FISP 1,len=0x0800,pkg=20,cfg=1
MPU SINOWEALTH SH88F4051,SH88FISP 1,len=0x1000,pkg=20,cfg=1

#Serial-???

SER ??? 25xx512(512KB-8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER ??? 25xx10(1MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER ??? 25xx20(2MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER ??? 25xx40(4MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER ??? 25xx80(8MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER ??? 25xx16(16MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER ??? 25xx32(32MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER ??? 25xx64(64MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256
SER ??? 25xx128(128MB-8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x1000000,pag=256

SER ??? 93C46(128x8),P93 1
SER ??? 93C56(256x8),P93 2
SER ??? 93C66(512x8),P93 3
SER ??? 93C57(256x8),P93 7
SER ??? 93C86(2Kx8),P93 8
SER ??? 93C76(1Kx8),P93 9
SER ??? 93C46(64x16),P93X16 1
SER ??? 93C56(128x16),P93X16 2
SER ??? 93C66(236x16),P93X16 3
SER ??? 93C76(512x16),P93X16 4
SER ??? 93C86(1Kx16),P93X16 5

SER ??? 93C46(3.3V-128x8),P93 1 ,vcc=3300,pow=1
SER ??? 93C46(3.3V-64x16),P93X16 1 ,vcc=3300,pow=1
SER ??? 93C46(3.3V-128x8),P93 1 ,vcc=3300,pow=1
SER ??? 93C46(3.3V-64x16),P93X16 1 ,vcc=3300,pow=1
SER ??? 93C56(3.3V-256x8),P93 2 ,vcc=3300,pow=1
SER ??? 93C56(3.3V-128x16),P93X16 2 ,vcc=3300,pow=1
SER ??? 93C56(3.3V-256x8),P93 2 ,vcc=3300,pow=1
SER ??? 93C56(3.3V-128x16),P93X16 2 ,vcc=3300,pow=1
SER ??? 93C66(3.3V-512x8),P93 3 ,vcc=3300,pow=1
SER ??? 93C66(3.3V-236x16),P93X16 3 ,vcc=3300,pow=1

SER ??? 93C66(3.3V-512x8),P93 3 ,vcc=3300,pow=1
SER ??? 93C66(3.3V-236x16),P93X16 3 ,vcc=3300,pow=1
SER ??? 93C86(3.3V-2Kx8),P93 8 ,vcc=3300,pow=1
SER ??? 93C86(3.3V-1Kx16),P93X16 5 ,vcc=3300,pow=1
SER ??? 93C86(3.3V-2Kx8),P93 8 ,vcc=3300,pow=1
SER ??? 93C86(3.3V-1Kx16),P93X16 5 ,vcc=3300,pow=1

SER ??? 24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER ??? 24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER ??? 24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER ??? 24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER ??? 24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER ??? 24C32(5V),P24XX32 1,len=0x1000,pag=32,vcc=5000,
SER ??? 24C64(5V),P24XX32 1,len=0x2000,pag=32,vcc=5000,
SER ??? 24C128(5V),P24XX32 1,len=0x4000,pag=64,vcc=5000,
SER ??? 24C256(5V),P24XX32 1,len=0x8000,pag=64,vcc=5000,
SER ??? 24C512(5V),P24XX32 1,len=0x10000,pag=128,vcc=5000,

SER ??? 24C01(3V3),P24XX16 1,len=128,pag=4,
SER ??? 24C02(3V3),P24XX16 1,len=256,pag=8,
SER ??? 24C04(3V3),P24XX16 1,len=512,pag=16,
SER ??? 24C08(3V3),P24XX16 1,len=1024,pag=16,
SER ??? 24C16(3V3),P24XX16 1,len=2048,pag=16,
SER ??? 24C32(3V3),P24XX32 1,len=0x1000,pag=32,
SER ??? 24C64(3V3),P24XX32 1,len=0x2000,pag=32,
SER ??? 24C128(3V3),P24XX32 1,len=0x4000,pag=64,
SER ??? 24C256(3V3),P24XX32 1,len=0x8000,pag=64,
SER ??? 24C512(3V3),P24XX32 1,len=0x10000,pag=128,

SER ??? 24LC00,P24XX16 1,len=16,pag=0,dly=4,
SER ??? 24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ??? 24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ??? 24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ??? 24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ??? 24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ??? 24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ??? 24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ??? 24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER ??? 24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,
SER ??? 24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,

SER AKM AK6420AF(128x16),AK64SCI 2,vcc=5000,dly=10,len=256
SER AKM AK6440AF(256x16),AK64SCI 2,vcc=5000,dly=10,len=512
SER AKM AK6480AF(512x16),AK64SCI 2,vcc=5000,dly=10,len=1024
SER AKM AK6480CF(512x16),AK64SCI 2,vcc=5000,dly=10,len=1024

SER AKM AK6420B(128x16),AK64SCI 1,vcc=5000,dly=10,len=256
SER AKM AK6440B(256x16),AK64SCI 1,vcc=5000,dly=10,len=512
SER AKM AK6480B(512x16),AK64SCI 1,vcc=5000,dly=10,len=1024
SER AKM AK6420AM(128x16),AK64SCI 1,vcc=5000,dly=10,len=256
SER AKM AK6440AM(256x16),AK64SCI 1,vcc=5000,dly=10,len=512
SER AKM AK6480AM(512x16),AK64SCI 1,vcc=5000,dly=10,len=1024
SER AKM AK6480CL(512x16),AK64SCI 1,vcc=5000,dly=10,len=1024
SER AKM AK6481CH(512x16),AK64SCI 1,vcc=5000,dly=10,len=1024
SER AKM AK6481CM(512x16),AK64SCI 1,vcc=5000,dly=10,len=1024
SER AKM AK6416A (1024x16),AK64SCI 1,vcc=5000,dly=10,len=2048
SER AKM AK6416AM(1024x16),AK64SCI 1,vcc=5000,dly=10,len=2048
SER AKM AK6416CM(1024x16),AK64SCI 1,vcc=5000,dly=10,len=2048
SER AKM AK6416CH(1024x16),AK64SCI 1,vcc=5000,dly=10,len=2048

SER AKM AK93C46(64x16),P93X16 1
SER AKM AK93C56(128x16),P93X16 2
SER AKM AK93C66(236x16),P93X16 3
SER AKM AK93C86(2Kx8),P93 8
SER AKM AK93C86(1Kx16),P93X16 5

#Serial-ONSEMI

SER ONSEMI CAT64LC20W(128x16),AK64SCI 2,vcc=5000,dly=10,len=256
SER ONSEMI CAT64LC20J(128x16),AK64SCI 2,vcc=5000,dly=10,len=256
SER ONSEMI CAT64LC40W(256x16),AK64SCI 2,vcc=5000,dly=10,len=512
SER ONSEMI CAT64LC40J(256x16),AK64SCI 2,vcc=5000,dly=10,len=512
SER ONSEMI CAT64LC80W(512x16),AK64SCI 2,vcc=5000,dly=10,len=1024
SER ONSEMI CAT64LC80J(512x16),AK64SCI 2,vcc=5000,dly=10,len=1024

SER ONSEMI CAT64LC20(P/L/S/V/U/Y) 128x16 ,AK64SCI 1,vcc=5000,dly=10,len=256
SER ONSEMI CAT64LC40(P/L/S/V/U/Y) 256x16 ,AK64SCI 1,vcc=5000,dly=10,len=512
SER ONSEMI CAT64LC80(P/L/S/V/U/Y) 512x16 ,AK64SCI 1,vcc=5000,dly=10,len=1024

#Serial-ATMEL

SER ATMEL AT24C01,P24XX16 1,len=128,pag=8,vcc=5000,
SER ATMEL AT24C02,P24XX16 1,len=256,pag=8,vcc=5000,
SER ATMEL AT24C04,P24XX16 1,len=512,pag=16,vcc=5000,
SER ATMEL AT24C08,P24XX16 1,len=1024,pag=16,vcc=5000,
SER ATMEL AT24C16,P24XX16 1,len=2048,pag=16,vcc=5000,
SER ATMEL AT24C32,P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER ATMEL AT24C64,P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER ATMEL AT24C128,P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER ATMEL AT24C256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER ATMEL AT24C512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER ATMEL AT24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ATMEL AT24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ATMEL AT24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ATMEL AT24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ATMEL AT24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ATMEL AT24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ATMEL AT24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ATMEL AT24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER ATMEL AT24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,
SER ATMEL AT24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,

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SER ATMEL AT24RF08C ,AT24RF 1,,len=0x400

SER ATMEL AT93C46(128x8),P93 1
SER ATMEL AT93C56(256x8),P93 2
SER ATMEL AT93C66(512x8),P93 3
SER ATMEL AT93C86(2Kx8),P93 8

SER ATMEL AT93C46(64x16),P93X16 1
SER ATMEL AT93C56(128x16),P93X16 2
SER ATMEL AT93C66(236x16),P93X16 3
SER ATMEL AT93C86(1Kx16),P93X16 5

SER ATMEL AT25010 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=128,pag=8,wep=1
SER ATMEL AT25020 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=256,pag=8,wep=1
SER ATMEL AT25040 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=512,pag=8,wep=1
SER ATMEL AT25080 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=1024,pag=32
SER ATMEL AT25160 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=2048,pag=32
SER ATMEL AT25320 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=4096,pag=32
SER ATMEL AT25640 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=8192,pag=32
SER ATMEL AT25128 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=16384,pag=32
SER ATMEL AT25256 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=32768,pag=32

SER ATMEL AT25010A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=128,pag=8,wep=1
SER ATMEL AT25020A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=256,pag=8,wep=1
SER ATMEL AT25040A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=512,pag=8,wep=1
SER ATMEL AT25080A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=1024,pag=32
SER ATMEL AT25160A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=2048,pag=32
SER ATMEL AT25320A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=4096,pag=32
SER ATMEL AT25640A ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=8192,pag=32
SER ATMEL AT25128A ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=16384,pag=32
SER ATMEL AT25256A ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=32768,pag=32

SER ATMEL AT25F512 ,ACTRANS25 2 ,pkg=24,vcc=3300,dly=5,era=2000,len=0x10000,pag=128
SER ATMEL AT25F1024 ,ACTRANS25 2 ,pkg=24,vcc=3300,dly=5,era=2000,len=0x20000,pag=128
SER ATMEL AT25F1024A ,ACTRANS25 2 ,pkg=24,vcc=3300,dly=10,era=2000,len=0x40000,pag=256
SER ATMEL AT25F2048 ,ACTRANS25 2 ,pkg=24,vcc=3300,dly=10,era=2000,len=0x80000,pag=256
SER ATMEL AT25F4096 ,ACTRANS25 2 ,pkg=24,vcc=3300,dly=10,era=2000,len=0x100000,pag=256

SER ATMEL AT25DF021,AT26DF 1 ,pkg=24,vcc=3300,dly=10,era=2000,len=0x40000,pag=256
SER ATMEL AT25DF041,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER ATMEL AT25DF081,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER ATMEL AT25DF161,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=0x200000,pag=256

SER ATMEL AT26DF021,AT26DF 1 ,pkg=24,vcc=3300,dly=10,era=2000,len=0x40000,pag=256
SER ATMEL AT26DF041,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER ATMEL AT26DF081,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER ATMEL AT26DF161,AT26DF 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=0x200000,pag=256

//SER ATMEL AT45DB(Page528_SOP8),AT45DB 1 ,pkg=8,vcc=3300,era=2,len=0x10800,pag=528,sec=16,cfg=2
//SER ATMEL AT45DB(Page512_SOP8),AT45DB_P512 1 ,pkg=8,vcc=3300,era=2,len=0x10000,pag=512,sec=16,cfg=2

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SER ATMEL AT45DB011D(Page264_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=3,len=0x21000,pag=264,sec=4,cfg=0
SER ATMEL AT45DB021D(Page264_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=6,len=0x42000,pag=264,sec=8,cfg=1
SER ATMEL AT45DB041D(Page264_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=12,len=0x84000,pag=264,sec=8,cfg=1

SER ATMEL AT45DB081D(Page264_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=22,len=0x108000,pag=264,sec=16,cfg=2
SER ATMEL AT45DB161D(Page528_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=25,len=0x210000,pag=528,sec=16,cfg=2
SER ATMEL AT45DB321D(Page528_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=50,len=0x420000,pag=528,sec=32,cfg=3
SER ATMEL AT45DB641D(Page1056_SO8P),AT45DB 1 ,pkg=8,vcc=2500,era=50,len=0x840000,pag=1056,sec=32,cfg=3

SER ATMEL AT45DB011D(Page256_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=3,len=0x20000,pag=256,sec=4,cfg=0
SER ATMEL AT45DB021D(Page256_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=6,len=0x40000,pag=256,sec=8,cfg=1
SER ATMEL AT45DB041D(Page256_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=12,len=0x80000,pag=256,sec=8,cfg=1
SER ATMEL AT45DB081D(Page256_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=22,len=0x100000,pag=256,sec=16,cfg=2
SER ATMEL AT45DB161D(Page512_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=25,len=0x200000,pag=512,sec=16,cfg=2
SER ATMEL AT45DB321D(Page512_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=50,len=0x400000,pag=512,sec=32,cfg=3
SER ATMEL AT45DB641D(Page512_SO8P),AT45DB_P512 1 ,pkg=8,vcc=2500,era=50,len=0x800000,pag=1024,sec=32,cfg=3
//-----

SER ATMEL AT45DB011B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x21000,pag=264,
SER ATMEL AT45DB021B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x42000,pag=264,
SER ATMEL AT45DB041B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x84000,pag=264,
SER ATMEL AT45DB081B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x108000,pag=264,
SER ATMEL AT45DB161B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x210000,pag=528,
SER ATMEL AT45DB321B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x420000,pag=528,
SER ATMEL AT45DB641B(SO_8P),AT45DBXXXB 1 ,pkg=8,vcc=2500,era=3,len=0x840000,pag=1056,

#Serial-CHINGIS

SER CHINGIS PM25L512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER CHINGIS PM25L10(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER CHINGIS PM25L20(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER CHINGIS PM25L40(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER CHINGIS PM25L80(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER CHINGIS PM25L16(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER CHINGIS PM25L32(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER CHINGIS PM25L32(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER CHINGIS PM25L64(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER CHINGIS PM25LV512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER CHINGIS PM25LV10(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER CHINGIS PM25LV20(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER CHINGIS PM25LV40(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER CHINGIS PM25LV80(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER CHINGIS PM25LV16(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER CHINGIS PM25LV32(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER CHINGIS PM25LV32(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER CHINGIS PM25LV64(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

#Serial-ACTRANS

SER ACTRANS AC25512 ,ACTRANS25 1 ,pkg=24,vcc=5000,dly=5,era=40,len=65536,pag=256
SER ACTRANS AC25LC512 ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=40,len=65536,pag=256
SER ACTRANS AC25LV512 ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=40,len=65536,pag=256

SER ACTRANS AC25010 ,ACTRANS25 1 ,pkg=24,vcc=5000,dly=5,era=40,len=131072,pag=256
SER ACTRANS AC25LC010 ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=40,len=131072,pag=256
SER ACTRANS AC25LV010 ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=40,len=131072,pag=256

#Serial-AMIC

SER AMIC A25L10P(8PIN),ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=131072,pag=256
SER AMIC A25L20P(8PIN),ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=262144,pag=256
SER AMIC A25L40P(8PIN),ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=524288,pag=256
SER AMIC A25L80P(8PIN),ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256

SER AMIC A25LQ16A(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x200000,pag=256
SER AMIC A25LQ32A(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x400000,pag=256
SER AMIC A25LQ64A(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x800000,pag=256

#Serial-APLUS

SER APLUS AF24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER APLUS AF24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER APLUS AF24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER APLUS AF24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER APLUS AF24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER APLUS AF24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER APLUS AF24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER APLUS AF24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER APLUS AF24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER APLUS AF24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER APLUS AF24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER APLUS AF24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER APLUS AF24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER APLUS AF24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER APLUS AF24LC16,P24XX16 1,len=2048,pag=16,dly=4,

SER APLUS AF24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER APLUS AF24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER APLUS AF24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER APLUS AF24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER APLUS AF24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER APLUS AF93BC46(128x8),P93 1
SER APLUS AF93BC56(256x8),P93 2
SER APLUS AF93BC66(512x8),P93 3
SER APLUS AF93BC86(2Kx8),P93 8

SER APLUS AF93BC46(64x16),P93X16 1
SER APLUS AF93BC56(128x16),P93X16 2
SER APLUS AF93BC66(236x16),P93X16 3
SER APLUS AF93BC86(1Kx16),P93X16 5

#Serial-EON

SER EON EN25B10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25B20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25B40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25B80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25B16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25B32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25B64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER EON EN25D512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER EON EN25D10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25D20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25D40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25D80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25D16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25D32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25D64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER EON EN25F512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER EON EN25F10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25F20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25F40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25F80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25F16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25F32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25F64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER EON EN25P512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER EON EN25P10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25P20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25P40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25P80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25P16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25P32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25P64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER EON EN25Q512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER EON EN25Q10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25Q20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25Q40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25Q80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25Q16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25Q32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25Q64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER EON EN25T512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER EON EN25T10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER EON EN25T20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER EON EN25T40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER EON EN25T80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER EON EN25T16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER EON EN25T32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER EON EN25T64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

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SER EON EN25F10_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=131072,pag=256
SER EON EN25F20_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=262144,pag=256
SER EON EN25F40_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=524288,pag=256
SER EON EN25F80_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256
SER EON EN25F80_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256
SER EON EN25F16_V601(8PIN) ,ACTRANS25V601 1 ,pkg=24,vcc=3300,dly=5,era=40000,len=0x200000,pag=256

#Serial-GIGADEVICE

```
SER GIGADEVICE GD25F40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER GIGADEVICE GD25F80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
```

#Serial-KHIC

#Serial-MACRONIX

#Serial-MICRON

#Serial-MSHINE

#Serial-NEXFLASH

```
SER NEXFLASH NX25P512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER NEXFLASH NX25P10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER NEXFLASH NX25P20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER NEXFLASH NX25P40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER NEXFLASH NX25P80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER NEXFLASH NX25P16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER NEXFLASH NX25P32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER NEXFLASH NX25P64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256
```

```
SER NUMONYX M25P512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER NUMONYX M25P10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER NUMONYX M25P20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER NUMONYX M25P40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER NUMONYX M25P80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER NUMONYX M25P16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER NUMONYX M25P32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER NUMONYX M25P64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256
```

#Serial-PMC

#Serial-SPANSION

```
SER SPANSION S25FL512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER SPANSION S25FL10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER SPANSION S25FL20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER SPANSION S25FL40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER SPANSION S25FL80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
```

```
SER ST M25P512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER ST M25P10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER ST M25P20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER ST M25P40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER ST M25P80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER ST M25P16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER ST M25P32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER ST M25P64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256
```

#Serial-TERRA

```
SER TERRA TS25L512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER TERRA TS25L10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER TERRA TS25L20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER TERRA TS25L40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER TERRA TS25L80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER TERRA TS25L16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER TERRA TS25L32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER TERRA TS25L64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256
```

SER ZEMPRO TS25L512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER ZEMPRO TS25L10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER ZEMPRO TS25L20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256

SER ZEMPRO TS25L40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER ZEMPRO TS25L80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER ZEMPRO TS25L16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER ZEMPRO TS25L32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER ZEMPRO TS25L64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

#Serial-WINBOND

SER WINBOND W25D512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER WINBOND W25D10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER WINBOND W25D20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER WINBOND W25D40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER WINBOND W25D80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER WINBOND W25D16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER WINBOND W25D32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER WINBOND W25D64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER WINBOND W25P512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER WINBOND W25P10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER WINBOND W25P20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER WINBOND W25P40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER WINBOND W25P80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER WINBOND W25P16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER WINBOND W25P32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER WINBOND W25P64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER WINBOND W25Q512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER WINBOND W25Q10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER WINBOND W25Q20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER WINBOND W25Q40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER WINBOND W25Q80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER WINBOND W25Q16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER WINBOND W25Q32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER WINBOND W25Q64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER WINBOND W25X512(8PIN),STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x10000,pag=256
SER WINBOND W25X10(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER WINBOND W25X20(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER WINBOND W25X40(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER WINBOND W25X80(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER WINBOND W25X16(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER WINBOND W25X32(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x400000,pag=256
SER WINBOND W25X64(8PIN) ,STD25 1 ,pkg=8,vcc=3300,dly=5,era=80000,len=0x800000,pag=256

SER WINBOND W25Q128(8PIN),ACTTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=200000,len=0x1000000,pag=256

#Serial-FUDAN

SER FUDAN FM93C46(128x8),P93 1
SER FUDAN FM93C56(256x8),P93 2
SER FUDAN FM93C66(512x8),P93 3

SER FUDAN FM24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER FUDAN FM24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER FUDAN FM24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER FUDAN FM24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER FUDAN FM24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER FUDAN FM24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER FUDAN FM24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER FUDAN FM24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER FUDAN FM24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER FUDAN FM24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER FUDAN FM24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER FUDAN FM24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER FUDAN FM24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER FUDAN FM24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER FUDAN FM24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER FUDAN FM24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER FUDAN FM24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER FUDAN FM24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER FUDAN FM24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER FUDAN FM24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

#Serial-ST

SER ST M25P10-V(8PIN) ,ACTTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=131072,pag=256
SER ST M25P20-V(8PIN) ,ACTTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=262144,pag=256
SER ST M25P40-V(8PIN) ,ACTTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=524288,pag=256

SER ST M25P80-V(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256
SER ST M25P128-V(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=105000,len=0x200000,pag=256

#Serial-PMC

SER PMC PM25LV512(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256,
SER PMC PM25LV010(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256,
SER PMC PM25LV020(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=200,len=0x40000,pag=256,
SER PMC PM25LV040(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=400,len=0x80000,pag=256,
SER PMC PM25LV080(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=800,len=0x100000,pag=256,

#Serial-ESI

SER ESI ES25P10(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=131072,pag=256
SER ESI ES25P20(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=262144,pag=256
SER ESI ES25P40(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=524288,pag=256
SER ESI ES25P80(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256

#Serial-SPANSION

SER SPANSION S25FL001(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=131072,pag=256
SER SPANSION S25FL002(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=262144,pag=256
SER SPANSION S25FL004(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=524288,pag=256
SER SPANSION S25FL008(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=1048576,pag=256

#Serial-SST

SER SST SST25LF512(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256
SER SST SST25LF010(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256
SER SST SST25LF020(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x40000,pag=256
SER SST SST25LF040(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x80000,pag=256

SER SST SST25LF512A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256
SER SST SST25LF010A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256
SER SST SST25LF020A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x40000,pag=256
SER SST SST25LF040A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x80000,pag=256

SER SST SST25VF512(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256
SER SST SST25VF010(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256
SER SST SST25VF020(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x40000,pag=256
SER SST SST25VF040(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x80000,pag=256

SER SST SST25VF512A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256
SER SST SST25VF010A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256
SER SST SST25VF020A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x40000,pag=256
SER SST SST25VF040A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x80000,pag=256

SER SST SST25VF040B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x80000
SER SST SST25VF080B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x100000
SER SST SST25VF016B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x200000
SER SST SST25VF032B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x400000

#Serial-PCT

SER PCT PCT25VF512A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x10000,pag=256
SER PCT PCT25VF010A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x20000,pag=256
SER PCT PCT25VF020A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x40000,pag=256
SER PCT PCT25VF040A(8PIN) ,SST25VF010A 1 ,pkg=24,vcc=3300,dly=5,era=100,len=0x80000,pag=256

SER PCT PCT25VF020B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x40000
SER PCT PCT25VF040B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x80000
SER PCT PCT25VF080B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x100000
SER PCT PCT25VF016B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x200000
SER PCT PCT25VF032B(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x400000

#Serial-ESMT

SER ESMT F25L004A(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x80000
SER ESMT F25L008A(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x100000
SER ESMT F25L016A(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x200000
SER ESMT F25L032A(8PIN) ,SST25B 1 ,pkg=24,vcc=3300,era=50,len=0x400000

#Serial-CATALYST

SER CATALYST CAT24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER CATALYST CAT24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER CATALYST CAT24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER CATALYST CAT24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER CATALYST CAT24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER CATALYST CAT24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER CATALYST CAT24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER CATALYST CAT24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER CATALYST CAT24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER CATALYST CAT24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER CATALYST CAT24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER CATALYST CAT24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER CATALYST CAT24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER CATALYST CAT24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER CATALYST CAT24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER CATALYST CAT24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER CATALYST CAT24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER CATALYST CAT24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER CATALYST CAT24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER CATALYST CAT24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER CATALYST CAT24WC01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER CATALYST CAT24WC02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER CATALYST CAT24WC04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER CATALYST CAT24WC08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER CATALYST CAT24WC16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER CATALYST CAT24WC32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER CATALYST CAT24WC64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER CATALYST CAT24WC128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER CATALYST CAT24WC256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER CATALYST CAT24WC512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER CATALYST CAT24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER CATALYST CAT24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER CATALYST CAT24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER CATALYST CAT24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER CATALYST CAT24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER CATALYST CAT24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER CATALYST CAT24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER CATALYST CAT24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER CATALYST CAT24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER CATALYST CAT24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER CATALYST 93C46(128x8),P93 1
SER CATALYST 93C46A(128x8) ,P93 1
SER CATALYST 93C46H(128x8) ,P93 1
SER CATALYST 93C46I(128x8) ,P93 1

SER CATALYST 93C46(64x16),P93X16 1
SER CATALYST 93C56(128x16),P93X16 2
SER CATALYST 93C66(236x16),P93X16 3

#Serial-EXEL

SER EXEL XL93C46(128x8) ,P93 1
SER EXEL XL93C56(128x8) ,P93 2
SER EXEL XL93C66(128x8) ,P93 3
SER EXEL XL93CS46 128x8 ,P93 1

SER EXEL X93C46(64x16),P93X16 1
SER EXEL X93C56(128x16),P93X16 2
SER EXEL X93C66(236x16),P93X16 3
SER EXEL X93C86(2Kx8),P93 8
SER EXEL X93C86(1Kx16),P93X16 5

#Serial-FAIRCHILD

SER FAIRCHILD FM24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER FAIRCHILD FM24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER FAIRCHILD FM24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER FAIRCHILD FM24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER FAIRCHILD FM24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER FAIRCHILD FM24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER FAIRCHILD FM24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER FAIRCHILD FM24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER FAIRCHILD FM24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER FAIRCHILD FM24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER FAIRCHILD FM24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER FAIRCHILD FM24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER FAIRCHILD FM24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER FAIRCHILD FM24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER FAIRCHILD FM24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER FAIRCHILD FM24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER FAIRCHILD FM24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER FAIRCHILD FM24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER FAIRCHILD FM24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER FAIRCHILD FM24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER FAIRCHILD FM93C46(128x8) ,P93 1

SER FAIRCHILD FM93C56(128x8) ,P93 2
SER FAIRCHILD FM93C66(128x8) ,P93 3
SER FAIRCHILD FM93C46(64x16),P93X16 1
SER FAIRCHILD FM93C56(128x16),P93X16 2
SER FAIRCHILD FM93C66(236x16),P93X16 3

#Serial-HYUNDAI

SER HYUNDAI HY24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER HYUNDAI HY24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER HYUNDAI HY24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER HYUNDAI HY24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER HYUNDAI HY24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER HYUNDAI HY24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER HYUNDAI HY24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER HYUNDAI HY24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER HYUNDAI HY24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER HYUNDAI HY24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER HYUNDAI HY24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER HYUNDAI HY24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER HYUNDAI HY24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER HYUNDAI HY24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER HYUNDAI HY24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER HYUNDAI HY24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER HYUNDAI HY24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER HYUNDAI HY24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER HYUNDAI HY24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER HYUNDAI HY24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER HYUNDAI HY93C46(128x8) ,P93 1
SER HYUNDAI HY93C46(256x8) ,P93 1

SER HYUNDAI HY93C46(64x16),P93X16 1
SER HYUNDAI HY93C56(128x16),P93X16 2
SER HYUNDAI HY93C66(236x16),P93X16 3

#Serial-ICT

SER ICT 24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER ICT 24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER ICT 24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER ICT 24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER ICT 24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER ICT 24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER ICT 24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER ICT 24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER ICT 24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER ICT 24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER ICT 24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ICT 24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ICT 24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ICT 24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ICT 24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ICT 24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ICT 24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ICT 24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER ICT 24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER ICT 24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER ICT 93C46 (128x8) ,P93 1
SER ICT 93C46A(128x8) ,P93 1
SER ICT 93CX46(128x8) ,P93 1
SER ICT 93C56 (256x8) ,P93 2
SER ICT 93CX56(256x8) ,P93 2
SER ICT 93C66 (512x8) ,P93 3
SER ICT 93CX66(512x8) ,P93 3

SER ICT 93C46 (64x16),P93X16 1
SER ICT 93C56 (128x16),P93X16 2
SER ICT 93C66 (236x16),P93X16 3

#Serial-GIANTEC

SER GIANTEC GT24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER GIANTEC GT24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER GIANTEC GT24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER GIANTEC GT24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER GIANTEC GT24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER GIANTEC GT24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,

SER GIANTEC GT24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER GIANTEC GT24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER GIANTEC GT24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER GIANTEC GT24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER GIANTEC GT24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER GIANTEC GT24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER GIANTEC GT24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER GIANTEC GT24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER GIANTEC GT24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER GIANTEC GT24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER GIANTEC GT24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER GIANTEC GT24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER GIANTEC GT24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER GIANTEC GT24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

#Serial-ISSI

SER ISSI 24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER ISSI 24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER ISSI 24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER ISSI 24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER ISSI 24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER ISSI 24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER ISSI 24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER ISSI 24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER ISSI 24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER ISSI 24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER ISSI 24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ISSI 24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ISSI 24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ISSI 24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ISSI 24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ISSI 24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ISSI 24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ISSI 24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER ISSI 24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER ISSI 24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER ISSI 93C46/-3 128x8 ,P93 1
SER ISSI 93C56/-3 256x8 ,P93 2
SER ISSI 93C66 (512x8) ,P93 3

SER ISSI 93C46 (64x16),P93X16 1
SER ISSI 93C56 (128x16),P93X16 2
SER ISSI 93C66 (236x16),P93X16 3

#Serial-MICROCHIP

//å° å®¡é† çš„24Cå° æ°f½å° •å°—èš,æ° ä½œï¼š
SER MICROCHIP 24C01(5V),PIC24C16 1,len=128,vcc=5000,
SER MICROCHIP 24C02(5V),PIC24C16 1,len=256,vcc=5000,
SER MICROCHIP 24C04(5V),PIC24C16 1,len=512,vcc=5000,
SER MICROCHIP 24C08(5V),PIC24C16 1,len=1024,vcc=5000,
SER MICROCHIP 24C16(5V),PIC24C16 1,len=2048,vcc=5000,
//å°...¶ä»—çš„å° ¯ä»»¥pageæ° ä½œï¼š
SER MICROCHIP 24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER MICROCHIP 24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER MICROCHIP 24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER MICROCHIP 24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER MICROCHIP 24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

//3v3:

SER MICROCHIP 24AA00,P24XX16 1,len=16,pag=0,dly=4,
SER MICROCHIP 24AA01,P24XX16 1,len=128,pag=8,dly=4,
SER MICROCHIP 24AA02,P24XX16 1,len=256,pag=8,dly=4,
SER MICROCHIP 24AA04,P24XX16 1,len=512,pag=16,dly=4,
SER MICROCHIP 24AA08,P24XX16 1,len=1024,pag=16,dly=4,
SER MICROCHIP 24AA16,P24XX16 1,len=2048,pag=16,dly=4,
SER MICROCHIP 24AA32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER MICROCHIP 24AA64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER MICROCHIP 24AA128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER MICROCHIP 24AA256,P24XX32 1,len=0x8000,pag=64,dly=5,
SER MICROCHIP 24AA512,P24XX32 1,len=0x10000,pag=128,dly=5,

SER MICROCHIP 24LC00,P24XX16 1,len=16,pag=0,dly=4,
SER MICROCHIP 24LC01,P24XX16 1,len=128,pag=8,dly=4,
SER MICROCHIP 24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER MICROCHIP 24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER MICROCHIP 24LC08,P24XX16 1,len=1024,pag=16,dly=4,

SER MICROCHIP 24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER MICROCHIP 24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER MICROCHIP 24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER MICROCHIP 24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER MICROCHIP 24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,
SER MICROCHIP 24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,

//SER MICROCHIP 59C11 ,P59 1
SER MICROCHIP 93C46(128x8) ,P93 1
SER MICROCHIP 93C56(256x8),P93 2
SER MICROCHIP 93LC56 256x8 ,P93 2
SER MICROCHIP 93C66 (512x8),P93 3
SER MICROCHIP 93LC66(512x8),P93 3
SER MICROCHIP 93C86 2k x8 ,P93 8
SER MICROCHIP 93C46(128x8) ,P93 1

SER MICROCHIP 93C46 64x16 ,P93X16 1
SER MICROCHIP 93C56 128x16 ,P93X16 2
SER MICROCHIP 93C66 256x16 ,P93X16 3
SER MICROCHIP 93C86 1k x16,P93X16 5

SER MICROCHIP 93C46A (128x8),P93 1
SER MICROCHIP 93C46B (64x16),P93X16 1
SER MICROCHIP 93C46C (128x8),P93 1
SER MICROCHIP 93C46C (64x16),P93X16 1
SER MICROCHIP 93C56A (256x8),P93 2
SER MICROCHIP 93C56B (128x16),P93X16 2
SER MICROCHIP 93C56C (256x8),P93 2
SER MICROCHIP 93C56C (128x16),P93X16 2
SER MICROCHIP 93C66A (512x8),P93 3
SER MICROCHIP 93C66B (236x16),P93X16 3
SER MICROCHIP 93C66C (512x8),P93 3
SER MICROCHIP 93C66C (236x16),P93X16 3
SER MICROCHIP 93C86A 2Kx8 ,P93 8
SER MICROCHIP 93C86B 1Kx16 ,P93X16 5
SER MICROCHIP 93C86C 2Kx8 ,P93 8
SER MICROCHIP 93C86C 1Kx16 ,P93X16 5

SER MICROCHIP 93LC46A (128x8),P93 1 ,vcc=3300,pow=1
SER MICROCHIP 93LC46B (64x16),P93X16 1 ,vcc=3300,pow=1
SER MICROCHIP 93LC46C (128x8),P93 1 ,vcc=3300,pow=1
SER MICROCHIP 93LC46C (64x16),P93X16 1 ,vcc=3300,pow=1
SER MICROCHIP 93LC56A (256x8),P93 2 ,vcc=3300,pow=1
SER MICROCHIP 93LC56B (128x16),P93X16 2 ,vcc=3300,pow=1
SER MICROCHIP 93LC56C (256x8),P93 2 ,vcc=3300,pow=1
SER MICROCHIP 93LC56C (128x16),P93X16 2 ,vcc=3300,pow=1
SER MICROCHIP 93LC66A (512x8),P93 3 ,vcc=3300,pow=1
SER MICROCHIP 93LC66B (236x16),P93X16 3 ,vcc=3300,pow=1
SER MICROCHIP 93LC66C (512x8),P93 3 ,vcc=3300,pow=1
SER MICROCHIP 93LC66C (236x16),P93X16 3 ,vcc=3300,pow=1
SER MICROCHIP 93LC86A 2Kx8 ,P93 8 ,vcc=3300,pow=1
SER MICROCHIP 93LC86B 1Kx16 ,P93X16 5 ,vcc=3300,pow=1
SER MICROCHIP 93LC86C 2Kx8 ,P93 8 ,vcc=3300,pow=1
SER MICROCHIP 93LC86C 1Kx16 ,P93X16 5 ,vcc=3300,pow=1

SER MICROCHIP 93AA46A (128x8),P93 1
SER MICROCHIP 93AA46B (64x16),P93X16 1
SER MICROCHIP 93AA46C (128x8),P93 1
SER MICROCHIP 93AA46C (64x16),P93X16 1
SER MICROCHIP 93AA56A (256x8),P93 2
SER MICROCHIP 93AA56B(128x16),P93X16 2
SER MICROCHIP 93AA56C (256x8),P93 2
SER MICROCHIP 93AA56C (128x16),P93X16 2
SER MICROCHIP 93AA66A (512x8),P93 3
SER MICROCHIP 93AA66B (236x16),P93X16 3
SER MICROCHIP 93AA66C (512x8),P93 3
SER MICROCHIP 93AA66C (236x16),P93X16 3
SER MICROCHIP 93AA86A 2Kx8 ,P93 8
SER MICROCHIP 93AA86B 1Kx16 ,P93X16 5
SER MICROCHIP 93AA86C 2Kx8 ,P93 8
SER MICROCHIP 93AA86C 1Kx16 ,P93X16 5

SER MICROCHIP 25C040 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=512,pag=16
SER MICROCHIP 25C080 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=1024,pag=16
SER MICROCHIP 25C160 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=2048,pag=16
SER MICROCHIP 25C320 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=4096,pag=32

SER MICROCHIP 25LC040 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=512,pag=16

SER MICROCHIP 25LC080 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=1024,pag=16
SER MICROCHIP 25LC160 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=2048,pag=16
SER MICROCHIP 25LC320 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=4096,pag=32
SER MICROCHIP 25LC640 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=8192,pag=32

SER MICROCHIP 25AA040 ,AT25SPI 1 ,pkg=24,vcc=2500,dly=5,len=512,pag=16
SER MICROCHIP 25AA080 ,AT25SPI 1 ,pkg=24,vcc=2500,dly=5,len=1024,pag=16
SER MICROCHIP 25AA160 ,AT25SPI 1 ,pkg=24,vcc=2500,dly=5,len=2048,pag=16
SER MICROCHIP 25AA320 ,AT25SPI 1 ,pkg=24,vcc=2500,dly=5,len=4096,pag=32
SER MICROCHIP 25AA640 ,AT25SPI 1 ,pkg=24,vcc=2500,dly=5,len=8192,pag=32

#Serial-NS

SER NS NM24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER NS NM24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER NS NM24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER NS NM24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER NS NM24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER NS NM24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER NS NM24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER NS NM24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER NS NM24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER NS NM24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER NS NM24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER NS NM24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER NS NM24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER NS NM24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER NS NM24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER NS NM24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER NS NM24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER NS NM24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER NS NM24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER NS NM24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER NS NMC9346(128x8),P93 1
SER NS NMC93C46(128x8),P93 1
SER NS NMC93CS46(128x8),P93 1
SER NS NMC93C56(256x8),P93 2
SER NS NMC93CS56 256x8,P93 2
SER NS NMC93C66 512x8,P93 3
SER NS NMC93CS66 512x8,P93 3

SER NS NM93C46(64x16),P93X16 1
SER NS NM93C56(128x16),P93X16 2
SER NS NM93C66(236x16),P93X16 3

SER NS NM59C11 ,P59 1

#Serial-ROHM

SER ROHM BR24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER ROHM BR24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER ROHM BR24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER ROHM BR24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER ROHM BR24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER ROHM BR24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER ROHM BR24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER ROHM BR24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER ROHM BR24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER ROHM BR24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER ROHM BR24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ROHM BR24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ROHM BR24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ROHM BR24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ROHM BR24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ROHM BR24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ROHM BR24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ROHM BR24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER ROHM BR24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER ROHM BR24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER ROHM BR93C46(128x8) ,P93 1
SER ROHM BR93C56(256x8),P93 2
SER ROHM BR93C66(512x8),P93 3
SER ROHM BR93C46(64x16),P93X16 1
SER ROHM BR93C56(128x16),P93X16 2
SER ROHM BR93C66(256x16),P93X16 3

SER ROHM BR93LC46(128x8) ,P93 1 ,vcc=3300
SER ROHM BR93LC56(256x8),P93 2 ,vcc=3300
SER ROHM BR93LC66(512x8),P93 3 ,vcc=3300
SER ROHM BR93LC46(64x16),P93X16 1 ,vcc=3300
SER ROHM BR93LC56(128x16),P93X16 2 ,vcc=3300
SER ROHM BR93LC66(256x16),P93X16 3 ,vcc=3300

SER ROHM BR9010AF 128x16 ,BR90 2,vcc=5000,dly=10,len=128
SER ROHM BR9020AF 128x16 ,BR90 2,vcc=5000,dly=10,len=256
SER ROHM BR9040AF 256x16 ,BR90 2,vcc=5000,dly=10,len=512
SER ROHM BR9080AF 512x16 ,BR90 2,vcc=5000,dly=10,len=1024
SER ROHM BR9080CF 512x16 ,BR90 2,vcc=5000,dly=10,len=1024

SER ROHM BR9010B(128x16),BR90 1,vcc=5000,dly=10,len=128
SER ROHM BR9020B(128x16),BR90 1,vcc=5000,dly=10,len=256
SER ROHM BR9040B(256x16),BR90 1,vcc=5000,dly=10,len=512
SER ROHM BR9080B(512x16),BR90 1,vcc=5000,dly=10,len=1024
SER ROHM BR9020AM(128x16),BR90 1,vcc=5000,dly=10,len=256
SER ROHM BR9040AM(256x16),BR90 1,vcc=5000,dly=10,len=512
SER ROHM BR9080AM(512x16),BR90 1,vcc=5000,dly=10,len=1024
SER ROHM BR9080CL(512x16),BR90 1,vcc=5000,dly=10,len=1024
SER ROHM BR9016A(1024x16),BR90 1,vcc=5000,dly=10,len=2048
SER ROHM BR9016AM(1024x16),BR90 1,vcc=5000,dly=10,len=2048
SER ROHM BR9016CM(1024x16),BR90 1,vcc=5000,dly=10,len=2048
SER ROHM BR9016CH(1024x16),BR90 1,vcc=5000,dly=10,len=2048

#Serial-SAMSUNG

SER SAMSUNG KM24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER SAMSUNG KM24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER SAMSUNG KM24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER SAMSUNG KM24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER SAMSUNG KM24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER SAMSUNG KM24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER SAMSUNG KM24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER SAMSUNG KM24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER SAMSUNG KM24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER SAMSUNG KM24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER SAMSUNG KM24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER SAMSUNG KM24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER SAMSUNG KM24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER SAMSUNG KM24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER SAMSUNG KM24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER SAMSUNG KM24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER SAMSUNG KM24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER SAMSUNG KM24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER SAMSUNG KM24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER SAMSUNG KM24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER SAMSUNG KM93C46(128x8),P93 1
SER SAMSUNG KM93C46V(128x8),P93 1
SER SAMSUNG KM93C56(256x8),P93 2
SER SAMSUNG KM93CS56(256x8),P93 2
SER SAMSUNG KM93C57(256x8),P93 3
SER SAMSUNG KM93C66(512x8),P93 3
SER SAMSUNG KM93CS66(512x8),P93 3
SER SAMSUNG KM93C67(512x8),P93 3

#Serial-ST

SER ST ST24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER ST ST24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER ST ST24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER ST ST24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER ST ST24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER ST ST24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER ST ST24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER ST ST24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER ST ST24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER ST ST24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER ST ST24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER ST ST24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER ST ST24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER ST ST24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER ST ST24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER ST ST24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER ST ST24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER ST ST24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,

SER ST ST24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER ST ST24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER ST M93C46A(128x8) ,P93 1
SER ST M93C56(256x8),P93 2
SER ST M93C66(512x8),P93 3
SER ST M93C57(128x16),P93 7
SER ST M93C76(512x16),P93X16 4
SER ST M93C86(2k x8),P93 8

SER ST MST93C46(64x16),P93X16 1
SER ST M93C56(128x16),P93X16 2
SER ST M93C66(256x16),P93X16 3
SER ST M93C76(512x16),P93X16 4
SER ST M93C86(1k x16),P93X16 5

SER ST M93S46 ,ST93S 1 ,pkg=8,vcc=5000,wrt=10
SER ST M93S46-W ,ST93S 1 ,pkg=8,vcc=3300,wrt=10
SER ST M93S46-R ,ST93S 1 ,pkg=8,vcc=2500,wrt=10
SER ST M93S56 ,ST93S 2 ,pkg=8,vcc=5000,wrt=10
SER ST M93S56-W ,ST93S 2 ,pkg=8,vcc=3300,wrt=10
SER ST M93S56-R ,ST93S 2 ,pkg=8,vcc=2500,wrt=10
SER ST M93S66 ,ST93S 3 ,pkg=8,vcc=5000,wrt=10
SER ST M93S66-W ,ST93S 3 ,pkg=8,vcc=3300,wrt=10
SER ST M93S66-R ,ST93S 3 ,pkg=8,vcc=2500,wrt=10

SER ST M95160 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=2048,pag=16
SER ST M95320 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=4096,pag=32
SER ST M95640 ,AT25SPI 1 ,pkg=24,vcc=3300,dly=5,len=8192,pag=32

#Serial-SGS-THOMSON

SER SGS ST24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER SGS ST24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER SGS ST24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER SGS ST24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER SGS ST24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER SGS ST24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER SGS ST24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER SGS ST24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER SGS ST24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER SGS ST24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER SGS ST24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER SGS ST24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER SGS ST24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER SGS ST24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER SGS ST24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER SGS ST24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER SGS ST24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER SGS ST24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER SGS ST24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER SGS ST24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER SGS ST93C46A(128x8) ,P93 1
SER SGS ST93C56(256x8),P93 2
SER SGS ST93C66(512x8),P93 3

SER SGS ST93C46(64x16),P93X16 1
SER SGS ST93C56(128x16),P93X16 2
SER SGS ST93C66(256x16),P93X16 3
SER SGS ST93C57(128x16),P93 7
SER SGS ST93C86(2kx8),P93 8
SER SGS ST93C86(1kx16),P93X16 5

#Serial-XICOR

SER XICOR X24C00 ,X24C00 1
SER XICOR X24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER XICOR X24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER XICOR X24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER XICOR X24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER XICOR X24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER XICOR X24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER XICOR X24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER XICOR X24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER XICOR X24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER XICOR X24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER XICOR X24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER XICOR X24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER XICOR X24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER XICOR X24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER XICOR X24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER XICOR X24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER XICOR X24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER XICOR X24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER XICOR X24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER XICOR X24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER XICOR X25043(8pin) ,X5045 1
SER XICOR X25045(8pin) ,X5045 1
SER XICOR X5043(8pin) ,X5045 1
SER XICOR X5045(8pin) ,X5045 1
SER XICOR X5043(14pin) ,X5045 2
SER XICOR X5045(14pin) ,X5045 2

SER XICOR X5163(8pin) ,X5163 1,len=0x800,pag=32,
SER XICOR X5165(8pin) ,X5163 1,len=0x800,pag=32,

SER XICOR X5643(8pin) ,X5163 1,len=0x2000,pag=32,
SER XICOR X5645(8pin) ,X5163 1,len=0x2000,pag=32,

SER XICOR X25010 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=128,pag=8
SER XICOR X25020 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=256,pag=8
SER XICOR X25040 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=512,pag=8
SER XICOR X25080 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=1024,pag=32
SER XICOR X25160 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=2048,pag=32
SER XICOR X25320 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=4096,pag=32
SER XICOR X25640 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=8192,pag=32
SER XICOR X25650 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=8192,pag=32

SER XICOR X93C46(64x16),P93X16 1
SER XICOR X93C56(128x16),P93X16 2
SER XICOR X93C66(236x16),P93X16 3
SER XICOR X93C86(2kx8),P93 8
SER XICOR X93C86(1Kx16),P93X16 5

SER XICOR X25043(8pin) ,X5045 1
SER XICOR X25045(8pin) ,X5045 1
SER XICOR X5043(8pin) ,X5045 1
SER XICOR X5045(8pin) ,X5045 1
SER XICOR X5043(14pin) ,X5045 2
SER XICOR X5045(14pin) ,X5045 2

#Serial-PMC

SER PMC PM25010 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=128,pag=8
SER PMC PM25020 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=256,pag=8
SER PMC PM25040 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=512,pag=8
SER PMC PM25080 ,AT25SPI 1 ,pkg=24,vcc=5000,dly=5,len=1024,pag=32

#Serial-PHILIPS

SER PHILIPS PCF8570 ,P24 1 ,dly=25,pag=8,p07=0
SER PHILIPS PCF8570C ,P24 1 ,dly=25,pag=8,p07=0
SER PHILIPS PCF8571 ,P24 1 ,dly=25,pag=8,p07=0
SER PHILIPS PCF8572 ,P24 2 ,dly=25,pag=8,p07=0
SER PHILIPS PCF8581 ,P24 1 ,dly=25,pag=8,p07=1
SER PHILIPS PCF8582 ,P24 2 ,dly=25,pag=8,p07=1
SER PHILIPS PCF8594 ,P24 3 ,dly=25,pag=8,p07=1
SER PHILIPS PCF8598 ,P24 4 ,dly=25,pag=8,p07=1
SER PHILIPS PCF85102 ,P24 2 ,dly=25,pag=8,p07=1
SER PHILIPS PCF85103 ,P24 2 ,dly=25,pag=8,p07=1

//

#Serial-YMC

SER YMC Y24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER YMC Y24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER YMC Y24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER YMC Y24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER YMC Y24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER YMC Y24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER YMC Y24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER YMC Y24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER YMC Y24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER YMC Y24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER YMC Y24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER YMC Y24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER YMC Y24LC04,P24XX16 1,len=512,pag=16,dly=4,

SER YMC Y24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER YMC Y24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER YMC Y24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER YMC Y24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER YMC Y24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER YMC Y24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER YMC Y24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

SER YMC Y54LC64,YMC54XX 7 ,pag=1,dly=1
SER YMC Y93LC46A(64x16),P93X16 1 ,vcc=3300
SER YMC Y93LC46A(256x16),P93X16 3 ,vcc=3300
SER YMC Y93LC46A(128x8),P93 1 ,vcc=3300
SER YMC Y93LC66A(512x8),P93 3 ,vcc=3300

#Serial-MITSUBISHI

SER MITSUBISHI M6M80011P(8PIN) ,M6M80021 1,len=64
SER MITSUBISHI M6M80011FP(10P2N),M6M80021 2,len=64
SER MITSUBISHI M6M80021P(8PIN) ,M6M80021 1,len=128
SER MITSUBISHI M6M80021FP(10P2N),M6M80021 2,len=128
SER MITSUBISHI M6M80041P(8PIN) ,M6M80021 1,len=256
SER MITSUBISHI M6M80041FP(10P2N),M6M80021 2,len=256

SER MITSUBISHI S29255A(SOP8),M6M80021 4 ,len=128//Pină, â Ć ok
SER MITSUBISHI S29255A(DIP8),M6M80021 1 ,len=128//ă...¼ă@¹ăž<ă ·¼ăĆç>,ă Ć
SER MITSUBISHI S29355A(SOP8),M6M80021 4 ,len=256//Pină, â Ć
SER MITSUBISHI S29355A(DIP8),M6M80021 1 ,len=256//ă...¼ă@¹ăž<ă ·

#Serial-HOLTEK

SER HOLTEK HT24C01(5V),P24XX16 1,len=128,pag=8,vcc=5000,
SER HOLTEK HT24C02(5V),P24XX16 1,len=256,pag=8,vcc=5000,
SER HOLTEK HT24C04(5V),P24XX16 1,len=512,pag=16,vcc=5000,
SER HOLTEK HT24C08(5V),P24XX16 1,len=1024,pag=16,vcc=5000,
SER HOLTEK HT24C16(5V),P24XX16 1,len=2048,pag=16,vcc=5000,
SER HOLTEK HT24C32(5V),P24XX32 1,len=0x1000,pag=32,dly=5,vcc=5000,
SER HOLTEK HT24C64(5V),P24XX32 1,len=0x2000,pag=32,dly=5,vcc=5000,
SER HOLTEK HT24C128(5V),P24XX32 1,len=0x4000,pag=64,dly=5,vcc=5000,
SER HOLTEK HT24C256(5V),P24XX32 1,len=0x8000,pag=64,dly=5,vcc=5000,
SER HOLTEK HT24C512(5V),P24XX32 1,len=0x10000,pag=128,dly=5,vcc=5000,

SER HOLTEK HT24LC01,P24XX16 1,len=128,pag=4,dly=4,
SER HOLTEK HT24LC02,P24XX16 1,len=256,pag=8,dly=4,
SER HOLTEK HT24LC04,P24XX16 1,len=512,pag=16,dly=4,
SER HOLTEK HT24LC08,P24XX16 1,len=1024,pag=16,dly=4,
SER HOLTEK HT24LC16,P24XX16 1,len=2048,pag=16,dly=4,
SER HOLTEK HT24LC32,P24XX32 1,len=0x1000,pag=32,dly=5,
SER HOLTEK HT24LC64,P24XX32 1,len=0x2000,pag=32,dly=5,
SER HOLTEK HT24LC128,P24XX32 1,len=0x4000,pag=64,dly=5,
SER HOLTEK HT24LC256,P24XX32 1,len=0x8000,pag=64,dly=5,vcc=3300,
SER HOLTEK HT24LC512,P24XX32 1,len=0x10000,pag=128,dly=5,vcc=3300,

//SER ??? S29355A(SOP8),M6M80021 3 ,len=256//ă...¼ă@¹ăž<ă ·

#PLD-AMD

PLD AMD PALCE16V8H-10/4 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-15 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-15/4 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-25 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-25/4 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-5/5 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8H-7/5 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Q-10/4 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Q-15 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Q-15/4 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Q-25 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Z-15/5 ,PALCE16V8 1 ,vcc=5000
PLD AMD PALCE16V8Z-25/4 ,PALCE16V8 1 ,vcc=5000

PLD AMD PALCE20V8H-10 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8H-15 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8H-15/4 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8H-25 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8Q-10 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8Q-15 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8Q-15/4 ,PALCE20V8 1 ,vcc=5000
PLD AMD PALCE20V8Q-25 ,PALCE20V8 1 ,vcc=5000

PLD AMD PALCE22V10H-25 ,PALCE22V10 1 ,vcc=5000,vp1=10500,vp2=13000
PLD AMD PALCE22V10H-15 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000

PLD AMD PALCE22V10H-10 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000
PLD AMD PALCE22V10H-7 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000
PLD AMD PALCE22V10Q-25 ,PALCE22V10 1 ,vcc=5000,vp1=10500,vp2=13000
PLD AMD PALCE22V10Q-15 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000
PLD AMD PALCE22V10Q-10 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000
PLD AMD PALCE22V10Q-7 ,PALCE22V10 1 ,vcc=5000,vp1=9000 ,vp2=9000

#PLD-ATMEL

PLD ATMEL ATF16V8 ,GAL3M 8
PLD ATMEL ATF16V8B ,GAL3M 8
PLD ATMEL ATF16V8BL ,GAL3M 8
PLD ATMEL ATF16V8BQ ,GAL3M 8
PLD ATMEL ATF16V8BQL ,GAL3M 8
PLD ATMEL ATF16V8C,ATF16V8CX 1,pkg=20
PLD ATMEL ATF16V8CEXT,ATF16V8CX 1,pkg=20
PLD ATMEL ATF16V8CZ,ATF16V8CX 1,pkg=20

PLD ATMEL ATF20V8 ,GAL3M 9
PLD ATMEL ATF20V8B ,GAL3M 9
PLD ATMEL ATF20V8BL ,GAL3M 9
PLD ATMEL ATF20V8BQL ,GAL3M 9
PLD ATMEL ATF22V10 ,P22V10 1
PLD ATMEL ATF22V10L ,P22V10 2
PLD ATMEL ATF22V10B/L ,P22V10 2
PLD ATMEL ATF22V10C ,ATF22V10C 1

#PLD-LATTICE

PLD LATTICE GAL16V8 ,GAL3M 1
PLD LATTICE GAL16V8A ,GAL3M 2
PLD LATTICE GAL16V8B ,GAL3M 3
PLD LATTICE GAL16V8C ,GAL3M 3
PLD LATTICE GAL16V8D ,GAL3M 10
PLD LATTICE GAL20V8 ,GAL3M 4
PLD LATTICE GAL20V8A ,GAL3M 4
PLD LATTICE GAL20V8B ,GAL3M 6
PLD LATTICE GAL22V10 ,P22V10 1
PLD LATTICE GAL22V10A ,P22V10 2
PLD LATTICE GAL22V10B ,P22V10 2
PLD LATTICE GAL22V10C ,P22V10 2
PLD LATTICE GAL22V10D ,P22V10 2

PLD LATTICE PALCE16V8H-10/4 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-15 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-15/4 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-25 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-25/4 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-5/5 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8H-7/5 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Q-10/4 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Q-15 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Q-15/4 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Q-25 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Z-15/5 ,PALCE16V8 1 ,vcc=5000
PLD LATTICE PALCE16V8Z-25/4 ,PALCE16V8 1 ,vcc=5000

PLD LATTICE PALCE20V8H-10 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8H-15 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8H-15/4 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8H-25 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8Q-10 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8Q-15 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8Q-15/4 ,PALCE20V8 1 ,vcc=5000
PLD LATTICE PALCE20V8Q-25 ,PALCE20V8 1 ,vcc=5000

#PLD-NS

PLD NS GAL16V8 ,GAL3M 1
PLD NS GAL16V8A ,GAL3M 2
PLD NS GAL20V8 ,GAL3M 4
PLD NS GAL20V8A ,GAL3M 5
PLD NS GAL20V8 ,GAL3M 4
PLD NS GAL22V10, ,P22V10 1

#PLD-SGS/THOMSON

PLD SGS GAL16V8 ,GAL3M 1
PLD SGS GAL16V8A ,GAL3M 1
PLD SGS GAL16V8AS ,GAL3M 1
PLD SGS GAL16V8S ,GAL3M 1

PLD SGS GAL20V8 ,GAL3M 4
PLD SGS GAL20V8A ,GAL3M 4
PLD SGS GAL20V8AS ,GAL3M 4
PLD SGS GAL20V8S ,GAL3M 4
PLD SGS GAL22V10 ,P22V10 1

#PLD-VLSI

PLD VLSI VP16V8 ,GAL3M 1
PLD VLSI VP20V8 ,GAL3M 4

#RAM-STAND

RAM STAND 6116 2Kx8,TESTRAM 1
RAM STAND 6264 8Kx8,TESTRAM 2
RAM STAND 62256 32Kx8,TESTRAM 4
RAM STAND 62512 64Kx8,TESTRAM 5
RAM STAND 628128 128Kx8,TESTRAM 6
RAM STAND 628256 256Kx8 ,TESTRAM 7
RAM STAND 628512 512Kx8 ,TESTRAM 8

RAM STAND 2464 8Kx8 ,TESTRAM 2
RAM STAND 24256 32Kx8 ,TESTRAM 4
RAM STAND 24512 64Kx8 ,TESTRAM 5
RAM STAND 24010 128Kx8 ,TESTRAM 6
RAM STAND 24020 256Kx8 ,TESTRAM 7
RAM STAND 24040 512Kx8 ,TESTRAM 8

#RAM-WINBOND

RAM WINBOND W2465 8Kx8 ,TESTRAM 2
RAM WINBOND W24128 16Kx8 ,TESTRAM 3
RAM WINBOND W24257A 32Kx8 ,TESTRAM 4
RAM WINBOND W24257AC 32Kx8 ,TESTRAM 4
RAM WINBOND W24M257 32Kx8 ,TESTRAM 4
RAM WINBOND W24512A 64Kx8 ,TESTRAM 5
RAM WINBOND W24M512 64Kx8 ,TESTRAM 5
RAM WINBOND W24M512A 64Kx8 ,TESTRAM 5
RAM WINBOND W24M1024 128Kx8 ,TESTRAM 6
RAM WINBOND W24010 128Kx8 ,TESTRAM 6
RAM WINBOND W24020 256Kx8 ,TESTRAM 7
RAM WINBOND W24040 512Kx8 ,TESTRAM 8

#RAM-INTEL

RAM INTEL 6116 ,TESTRAM 1
RAM INTEL 6264 ,TESTRAM 2
RAM INTEL 62256 ,TESTRAM 4
RAM INTEL 62512 ,TESTRAM 5
RAM INTEL 628128 ,TESTRAM 6
RAM INTEL 628256 ,TESTRAM 7
RAM INTEL 628512 ,TESTRAM 8

#RAM-DALLAS

RAM DALLAS DS1220Y (2Kx8),DSRAM 1
RAM DALLAS DS1220AB (2Kx8),DSRAM 1
RAM DALLAS DS1220AD (2Kx8),DSRAM 1
RAM DALLAS DS1225AB (8Kx8),DSRAM 2
RAM DALLAS DS1225AD (8Kx8),DSRAM 2
RAM DALLAS DS1225D (8Kx8),DSRAM 2
RAM DALLAS DS1225DE (8Kx8),DSRAM 2
RAM DALLAS DS1225Y (8Kx8),DSRAM 2
RAM DALLAS DS1230Y (32Kx8),DSRAM 4
RAM DALLAS DS1230AB (32Kx8),DSRAM 4
RAM DALLAS DS1245Y (128Kx8),DSRAM 6
RAM DALLAS DS12449 (256Kx8),DSRAM 7
RAM DALLAS DS1250Y (512Kx8),DSRAM 8

#RAM-BDTIC

RAM BDTID HK1225 (2Kx8) ,DSRAM 2
RAM BDTID HK1235 (32Kx8) ,DSRAM 4
RAM BDTID HK1245 (128Kx8) ,DSRAM 6
RAM BDTID HK1265 (256Kx8) ,DSRAM 7
RAM BDTID HK1255 (512Kx8) ,DSRAM 8

#TEST-Standard

TES Standard 74xxx ,ICTEST 0
TES Standard 40xxx ,ICTEST 1
TES Standard 45xxx ,ICTEST 2

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#Serial-MXIC(old)

SER MXIC(old) MX25L512(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=0x10000,pag=256

SER MXIC(old) MX25L10xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=0x20000,pag=256
SER MXIC(old) MX25L20xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=6000,len=0x40000,pag=256
SER MXIC(old) MX25L40xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=10000,len=0x80000,pag=256
SER MXIC(old) MX25L80xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=20000,len=0x100000,pag=256
SER MXIC(old) Mx25L16xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=40000,len=0x200000,pag=256
SER MXIC(old) MX25L32xx(8PIN) ,ACTRANS25 1 ,pkg=24,vcc=3300,dly=5,era=80000,len=0x400000,pag=256

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#Serial-MXIC

-----512k

SER MXIC MX25L512(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,
SER MXIC MX25L512C(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,
SER MXIC MX25L512E(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,
SER MXIC MX25L512I(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,
SER MXIC MX25R512F(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,vcc=2500
SER MXIC MX25U512I(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,vcc=2500
SER MXIC MX25V512C(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,vcc=2500
SER MXIC MX25V512E(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,vcc=2500
SER MXIC MX25V512I(8PIN),MXIC25_1BIT 1 #c2,09,pkg=8,era=20,len=0x10000,ext=0,cfg=0,vcc=2500
-----1M

SER MXIC MX25L1005(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,
SER MXIC MX25L1005C(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,
SER MXIC MX25L1025C(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,

SER MXIC MX25L1006E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,
SER MXIC MX25L1021E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,
SER MXIC MX25L1026E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,
SER MXIC MX25R1035E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,vcc=2500
SER MXIC MX25U1001E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,vcc=2500
SER MXIC MX25V1006E(8PIN),MXIC25_1BIT 1 #c2,10,pkg=8,era=20,len=0x20000,ext=0,cfg=0,vcc=2500

-----2M

SER MXIC MX25L2005C(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,
SER MXIC MX25L2025C(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,
SER MXIC MX25L2006E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,
SER MXIC MX25L2026E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,
SER MXIC MX25L2035F(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,
SER MXIC MX25R2035E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,vcc=2500
SER MXIC MX25U2032E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,vcc=2500
SER MXIC MX25U2033E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,vcc=2500
SER MXIC MX25V2006E(8PIN),MXIC25_1BIT 1 #c2,11,pkg=8,era=20,len=0x40000,ext=0,cfg=0,vcc=2500

-----4M

SER MXIC MX25L4005(8PIN) ,MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25L4005A(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25L4005C(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25L4025C(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25L4033E(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,

SER MXIC MX25L4006E(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25R4035F(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,vcc=2500
SER MXIC MX25R4033E(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,vcc=2500
SER MXIC MX25U4035 (8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,,vcc=2500
SER MXIC MX25V4006E(8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,
SER MXIC MX25V4035 (8PIN),MXIC25_1BIT 1 #c2,12,pkg=8,era=20,len=0x80000,ext=0,cfg=0,,vcc=2500

-----8M

SER MXIC MX25L8005(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=0,
SER MXIC MX25V8005(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=0,

SER MXIC MX25L8006E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=2,
SER MXIC MX25L8008E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=1,
SER MXIC MX25L8033E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,
SER MXIC MX25L8035E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,
SER MXIC MX25L8036E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,
SER MXIC MX25L8073E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,
SER MXIC MX25L8075E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,
SER MXIC MX25U8033E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,vcc=2500,
SER MXIC MX25U8035E(8PIN),MXIC25_1BIT 1 #c2,13,pkg=8,era=20,len=0x100000,ext=64,cfg=11,vcc=2500,

-----16M

SER MXIC MX25L1605(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=512,cfg=5,
SER MXIC MX25L1605A(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=0,cfg=0,
SER MXIC MX25L1605D(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=4,
SER MXIC MX25L1608D(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=4,
SER MXIC MX25L1635D(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=4,

SER MXIC MX25L1606E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=2,
SER MXIC MX25L1608E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=1,
SER MXIC MX25L1633E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,

SER MXIC MX25L1635E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,
SER MXIC MX25L1636E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,
SER MXIC MX25L1673E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,
SER MXIC MX25L1675E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,

SER MXIC MX25U1635E(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=64,cfg=11,vcc=2500
SER MXIC MX25U1635F(8PIN),MXIC25_1BIT 1 #c2,14,pkg=8,era=20,len=0x200000,ext=512,cfg=7,vcc=2500

-----32M

SER MXIC MX25L3205A(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=0,cfg=2,
SER MXIC MX25L3205D(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=64,cfg=4,
SER MXIC MX25L3208D(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=64,cfg=4,
SER MXIC MX25L3235D(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=64,cfg=4,

SER MXIC MX25R3235F(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=1024,cfg=6,vcc=2500
SER MXIC MX25L3206E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=64,cfg=2,
SER MXIC MX25L3233F(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=6,
SER MXIC MX25L3208E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=64,cfg=5,
SER MXIC MX25L3235E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=6,
SER MXIC MX25L3235F(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=1024,cfg=6,
//SER MXIC MX25L3236E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=7,
SER MXIC MX25L3239E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=8,
SER MXIC MX25L3273E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=8,
SER MXIC MX25L3273F(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=1024,cfg=9,
SER MXIC MX25L3275E(8PIN),MXIC25_1BIT 1 #c2,15,pkg=8,era=20,len=0x400000,ext=512,cfg=10,

-----64M:

SER MXIC MX25L6405(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=0,
SER MXIC MX25L6405D(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=64,cfg=4,
SER MXIC MX25L6408D(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=64,cfg=4,

SER MXIC MX25L6406E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=64,cfg=4,
SER MXIC MX25L6408E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=64,cfg=5,
SER MXIC MX25L6433F(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=1024,cfg=6,
SER MXIC MX25L6435E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=6,
SER MXIC MX25L6435F(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=1024,cfg=7,
SER MXIC MX25L6436E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=7,
SER MXIC MX25L6439E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=8,
SER MXIC MX25L6473E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=8,
SER MXIC MX25L6473F(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=1024,cfg=9,
SER MXIC MX25L6475E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=10,

-----64M(1.8v)

SER MXIC MX25U6435E(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=6,vcc=2500
SER MXIC MX25U6435F(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=1024,cfg=7,vcc=2500
SER MXIC MX25U6473F(8PIN),MXIC25_1BIT 1 #c2,16,pkg=8,era=40,len=0x800000,ext=512,cfg=9,vcc=2500

-----128M

SER MXIC MX25L12805D(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=4,

SER MXIC MX25U12835F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=10,vcc=2500,
SER MXIC MX25L12835F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=10,
SER MXIC MX25L12836E(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=7,
SER MXIC MX25L12839F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=10,
SER MXIC MX25L12845E(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=7,
SER MXIC MX25L12850F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=6,
SER MXIC MX25L12865F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=10,
SER MXIC MX25L12873F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=9,
SER MXIC MX25L12875F(8PIN),MXIC25_1BIT 1 #c2,17,pkg=8,era=80,len=0x1000000,ext=512,cfg=10,

#end