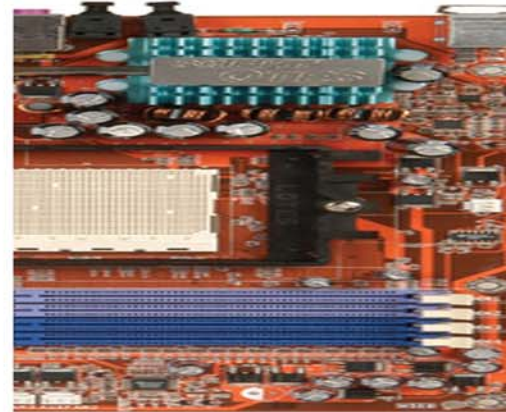


**PROGRAMMATEUR UNIVERSEL POUR EPROM | EEPROM | MEMOIRES FLASH  
27Cxxxx | 28Cxxxx | 28Fxxxx | 29Cxxxx | 29Fxxxx | 39Fxxxx | 49Fxxxx  
ET POUR LES EEPROMS/SPI-FLASH 24Cxxx | 25xxx | 25Cxxx | 25Lxxx | 95xxx  
SUR PORT USB**



## FlashBiosBox



### Présentation:

Le FlashBiosBox a été spécialement conçu pour la programmation des EPROMs (famille 2716 à 27C801) de 16Kbits à 8Mbits, des EEPROMs parallèles (famille 28C16 à 28C040) de 16Kbits à 4Mbits, des mémoires FLASHs à accès parallèle (familles 28Fxxx, 29Cxxx, 29Fxxx, 39Fxxx, 49Fxxx) de 512Kbits à 8Mbits ainsi que des EEPROMs à accès série et mémoires FLASHs SPI (familles 24Cxxx / 25xxx / 25Cxxx / 25Lxxx / 95xxx), jusqu'à 16Mb. Il est équipé d'un support à force d'insertion nulle ZIF32 pour tous les composants en 8/24/28/32 broches et d'un support PLCC32 pour la programmation des mémoires FLASHs à accès parallèles. Il possède également une sortie avec connecteur SPI de type HE10 pour la programmation in-Situ des EEPROMs i2C 24Cxxx et FLASHs SPI 25Cxxx en CMS soudés sur cartes. Le FlashBiosBox (FBB-32) se connecte directement sur port USB, ceci lui permettant d'être alimenté directement par le PC sans ajout d'une alimentation externe. Son convertisseur de tension intégré sur la carte lui permet de générer les tensions en 2,5V / 3,3V / 5,0V / 12,0V / 12,5V / 13,0V / 21,0V et 25,0V.

Le logiciel fonctionne sous Windows 98 / ME / 2000 / XP / VISTA / 7 / 8 / 10 / 11 (32/64bits).

### Caractéristiques:

Formats de fichiers acceptés: BINAIRE, INTEL (Extended) HEX, INTEL HEX16, Motorola S19/S28/S37 records.

Fonctions : Lire / Ecrire / Tester-programmer / Vérifier / Test de virginité / Effacer.

Supporte les composants low-voltage: 2,5V à 5,0V.

Supporte les tensions de programmations Vpp : 12,0V / 12,5V / 13,0V / 21,0V / 25,0V.

Ne nécessite pas d'adaptateurs pour les composants en DIP8, DIP24, DIP28 et DIP32, (support ZIF32).

Support PLCC32 intégré sur la carte pour programmer les Mémoires FLASH

Connecteur SPI intégré (GND, VDD, VPP, DATA0, DATA1, DATA2, DATA3, DATA4, DATA5, DATA7).

Supporte Windows 98 / ME / 2000 / XP / VISTA / Win7 / Win8 / Win10 / WIN11 (32bit et 64bit) avec 10MB d'espace disque.

### Spécifications Hardware & Electrique:

Dimensions boîtier : 150 x 125 x 38mm, Poids : 260g

Dimensions emballage : 250 x 185 x 55mm, Poids : 440g

Alimentation par le port USB.

Interface : connection sur un ordinateur PC sur un port USB (USB 1.1, 2.0 ou supérieur).

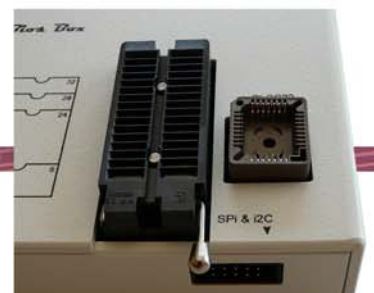
### Contenu:

Programmeur avec support ZIF32, support PLCC32 et connecteur SPI.

Cordon USB type A-B.

Logiciel sur CD en Français, Anglais, Allemand, Néerlandais.

Manuel d'utilisation en Français et en Anglais.





**LISTE DES COMPOSANTS FLASHBIOSBOX**

Appuyer sur "CTRL + F" pour trouver un composant

Programmeur d'E(E)PROMs  
Logiciel version 2.10

Manufacturers:	Devices:						
<b>ACTRANS</b>	AC39LV512	AC39LV010	AC39LV020	AC39LV040			
<b>AMD</b>	AM2716B AM27C64 AM27H256 AM27HB010 AM27LV010 AM2816A AM28F256 AM29F001B AM29F001T AM29F002NT AM29F040 AM29LV001B	AM2732B AM27C128 AM27H010 AM27LV010B AM2817A AM28F512 AM29F001BB AM29F002B AM29F002T AM29F040A AM29LV001BB	AM2764A AM27C256 AM27LV020 AM2864A AM28F001 AM29F001BT AM29F002BB AM29F004BB AM29F040B AM29LV001BT	AM27128A AM27C512 AM27LV020B AM2864AE AM28F010 AM29F001NB AM29F002BT AM29F004BT AM29LV101B	AM27256 AM27C010 AM2864B AM28F020 AM29F001NBB AM29F002NB AM29F010	AM27512 AM27C020 AM2864BE AM29F001NBT AM29F002NBB AM29F010A	Am27c040 AM29F001NT AM29F002NBT AM29F010B
<b>AMIC</b>	A25L512 A25L05P A276308A A29512 A290011U A29040B A49LF004	A25L010 A25L10P A276308AL A29512A A29002T A29L004T A49LF040	A25L020 A25L20P A27020 A29010 A29002U A29L004U A49LF040A	A25L040 A25L40P A27020L A29010A A290021T A29L004AT	A25L080 A25L80P A29001T A290021U A29L004AU	A25L016 A25L16P A29001U A29040 A29L040	A25L032 A290011T A29040A
<b>ASI</b>	AS29F010CW SMJ28F010B	AS29F040CW					
<b>ATMEL</b>	AT24C01 AT24C08A AT24C64 AT24C256BN AT24CS128 AT24RF08CN AT25010 AT25128 AT25DF021 AT25F512B AT25SF010 AT27BV256 AT27C256R AT27C080 AT27HC64 AT27LV256A AT27LV020 AT28BV16 AT28C04 AT28C64 AT28C256F AT28HC16 AT28HC256F AT28LV64 AT28MC010 AT28PC64 AT29BV010A AT29C256 AT29C040A AT29LV256 AT29LV040A AT49BV512 AT49BV001NT AT49BV002AT AT49BV040B AT49F512 AT49F001NT AT49F002AT AT49F040T AT49HBV010 AT49HF010 AT49HLV010 AT49LH002 AT49LL020 AT49LV001 AT49LV001T AT49LV002N AT49LW040	AT24C01A AT24C16 AT24C64A AT24C512 AT24CS256 AT24RF08CT AT25020 AT25256 AT25DF041A AT25F1024 AT25SF040 AT27BV512 AT27C512 AT27HC64L AT27LV256R AT27LV020A AT28BV64 AT28C16 AT28C64B AT28C010 AT28HC16L AT28HC256F AT28LV64B AT28MC020 AT28PC64E AT29BV020 AT29C257 AT29LV257 AT49BV001 AT49BV001T AT49BV002N AT49BV040T AT49F001 AT49F001T AT49F002N AT49LH004 AT49LL040 AT49LV001A AT49LV020 AT49LV002NT AT49LW080	AT24C21 AT24C16A AT24C64B AT24C1024 AT25040 AT25DF081 AT25F2048 AT27BV010 AT27C512R AT27HC256 AT27LV512A AT27LV040 AT28BV64B AT28C16E AT28C64E AT28C010E AT28HC64 AT28HC256L AT28LV256 AT28MC040 AT29BV040A AT29C512 AT29LV512 AT49BV001A AT49BV010 AT49BV002NT AT49F001A AT49F010 AT49F002NT AT49LL080 AT49LV001AN AT49LV002 AT49LV002T	AT24C02 AT24C164 AT24C128 AT24C1024W AT25080 AT25DF161 AT25F4096 AT27BV020 AT27C010 AT27HC256R AT27LV512R AT27LV040A AT28BV256 AT28C17 AT28C64F AT28C040 AT28HC64B AT28HC256LE AT28LV010 AT29C010 AT29C010A AT29LV010 AT49BV001AN AT49BV002 AT49BV002T AT49F001AN AT49F002 AT49F002T	AT24C02A AT24C32 AT24C256 AT25160 AT25DF321A AT27BV040 AT27C010L AT28C17 AT28C64X AT28C040 AT28HC64L AT28HC256LF AT29C010A AT29C020 AT29LV010AT AT49BV001ANT AT49BV002A AT49BV020 AT49F001ANT AT49F002A AT49F020	AT24C04 AT24C32A AT24C256N AT25320 AT25DF641 AT27C020 AT27LV010A AT28C17E AT28C256 AT28HC256 AT29C020 AT29LV020 AT49BV001AT AT49BV002AN AT49BV040 AT49F001AT AT49F002AN AT49F040	AT24C08 AT24C32B AT24C256B AT25640 AT25640 AT25640 AT27C040 AT27LV010AL AT28C17F AT28C256E AT28HC256E AT29C040 AT29C040 AT29LV040 AT49BV001N AT49BV002ANT AT49BV040A AT49F001N AT49F002ANT AT49F040A
<b>AUSTIN</b>	SMJ27C040						
<b>BRIGHT</b>	BM29F040						
<b>CATALYST</b>	CAT25010 CAT25C01 CAT25C09 CAT25C128 CAT2764A CAT27HC256 CAT28C16 CAT28C64BI CAT28LV64 CAT28F512N CAT28F020P	CAT25020 CAT25C11 CAT25C16 CAT25C256 CAT27128A CAT27HC256L CAT28C16AI CAT28C256 CAT28LV256 CAT28F512P CAT28F020T	CAT25040 CAT25C02 CAT25C17 CAT27256 CAT28C17A CAT28C256I CAT28C17AI CAT28C512	CAT25C03 CAT25C32 CAT27512 CAT28C17AI CAT28C512	CAT25C04 CAT25C33 CAT27010 CAT28C64A CAT28C513 CAT28F010P	CAT25C05 CAT25C64 CAT28C64AI CAT28F010T	CAT25C08 CAT25C65 CAT28C64B

<b>DEUTRON</b>	P439LV010	P439LV040					
<b>EFST / ESMT</b>	F25L08PA F25S004A F49B002UA F49L004BA	F25L16PA  F49L004UA	F25L32PA  F49L040A	F25L32Q	F25L004A	F25L008A	
<b>EON / CFEON</b>	EN27C512 EN27LV512 EN29F512 EN29F002NB EN29LV512 EN39LV010	EN27C010 EN27LV512B EN29F010 EN29F002NT EN29LV010	EN27C020 EN27LV010 EN29F002AB EN29F002T EN29LV040	EN27LV010B EN29F002ANB EN29F040 EN29LV040A	EN27LV020 EN29F002ANT EN29F040A	EN27LV020B EN29F002AT	EN29F002B EN29F002B
<b>EXEL</b>	XLE28C16A XLM28C16A XLS2816A XLS28C16A XL28C256	XLE28C16B  XLS2817A XLS28C16B	   XLS28C64B				
<b>FAIRCHILD</b>	FM25C020 NM25C020 FM27C256 FM27LV010 NM27C64 NM27LC64 NM27LV512 NM27P512 NMC27C16B	FM25C040 NM25C04 FM27C512  NM27C128 NM27LC512 NM27LV010 NM27P040 NMC27C16BQ	FM25C041 NM25C040 FM27C010  NM27C256 NM27LV010B  NMC27C32	FM25C160 NM25C041 FM27C040  NM27C512   NMC27C32E	FM25C640 NM25C160   NM27C010 NM27C020 NM27C040  NMC27C32Q	        FT28C256B	        FT28C010
<b>FORCE TECHNOLOGIES</b>	FT28C16 FT28C010E FT28HC64	FT28C64 FT28C020	FT28C64B FT28C040	FT28C64X	FT28C256	FT28C256B	FT28C010
<b>FUJITSU</b>	MBM2764 MBM27C256A MBM27C4001 MBM28C64 MBM28F010 MBM29F010 MBM29F002T MBM29F040C MBM29LV001B	MBM27128 MBM27C256AP  MBM28C65 MBM29F010A MBM29F004B	MBM27C256H   MBM29F001B MBM29F004T	MBM27C512   MBM29F001T MBM29F004BC	MBM27C1000   MBM29F002B MBM29F004TC	MBM27C1001   MBM29F002NB MBM29F040	MBM27C1001A   MBM29F002NT MBM29F040B
<b>GENERAL INSTRUMENTS</b>	27256 27C64 27HC64	27C128 27HC64L	27C256	27C512			
<b>GREENWICH</b>	GR2764	GR27128	GR27256	GR27512			
<b>HITACHI</b>	HN27128A HN27C256A HN28F101	HN27256 HN27C256H HN28F101C	HN27512 HN27C256G HN28F101CP	HN27C256FP HN28F101P	HN27C101A HN28F101T	HN27C4001	
<b>HOLTEK</b>	HT27C512 HT27LC512	HT27C010 HT27LC010	HT27C020 HT27LC020	HT27C040 HT27LC040			
<b>HYNIX / HYUNDAI</b>	HY2764 HY29F002B	HY2764A HY29F002T	HY29F040	HY29F040A			
<b>ICE</b>	ICE27C512	ICE27C010					
<b>IMT</b>	IM29F001B IM29LV004B	IM29F001T IM29LV004T	IM29F002B	IM29F002T IM29F004B	IM29F004T		
<b>INFINEON / SIEMENS</b>	SDA2516-5 SDE2516	SDA25256-2 SDE2526	SDA2526-5	SDA2546-5	SDA2586	SDA25X46-5	SDA25X86-5
<b>INTEL</b>	27C256 2816 28F256	2816A 28F256A	2817A 28F512	2864A 28F010	28F020		
<b>ISSI</b>	IS25C01 IS25C128 IS27C256 IS27DV256 IS27HC256 IS27LV256 IS28F010	IS25C02 IS25C256 IS27C512  IS27HC512 IS27LV512 IS28F020	IS25C04  IS27C010  IS27HC010 IS27LV010	IS25C08  IS27C020  IS27HC020 IS27LV020	IS25C16	IS25C32	IS25C64
<b>MACRONIX</b>	MX27C256 MX27C4000 MX27L256 KH29LV004C MX29F001B MX29F022NB MX29F004CB MX29LV002CB MX29LV004T	MX27C512 MX27C4000A MX25L512A KH29LV040C MX29F001T MX29F022NT MX29F004CT MX29LV002CT MX29LV040	MX27C1000 MX27C8000 MX27L1000  MX29F002B MX29F022T MX29LV002NCB MX29LV040B	MX27C1000A MX27C8000A MX27L2000  MX29F002NB MX29F040 MX29LV002NCT MX29LV040V	MX27C1001  MX27L4000  MX29F002NT MX29F040C MX29LV004B MX29LV040WC	MX27C2000    MX29F002T MX29F004B	MX27C2000A    MX29F022B MX29F004T
<b>MAXWELL</b>	28C010	28C010T					
<b>MICROCHIP</b>	24AA00 24AA04 24AA32AX 24AA515 24C02B 24C32 24FC16 24FC515 24LC00 24LC024 24LC09 24LC64 24LC1025 24LCS21 24LCS41A 25AA010A 25AA160 25AA128 25C040 25LC010A 25LC160	24AA01 24AA08 24AA64 24AA1025 24C02C 24C32A 24FC32 24FC1025 24LC01B 24LC025 24LC16B 24LC64X 24LCS21A  25AA020A 25AA160A 25AA256 25C080 25LC020A 25LC160A	24AA014 24AA16 24AA64X 24C00 24C04A 24C64 24FC64 24LCS22A  25AA040 25AA160B 25AA512 25C160 25LC040 25LC160B	24AA02 24AA164 24AA65 24C01A 24C08A 24C65 24FC65 24LC21 24LC04B 24LC174 24LC128 24LCS61  25AA040A 25AA320 25AA1024 25C320 25LC040A 25LC320	24AA024 24AA174 24AA128 24C01B 24C08B 24C128 24FC128 24LC21A 24LC41 24LC32 24LC256 24LCS52  25AA080 25AA320A 25AA640 25C640 25LC080 25LC320A	24AA025 24AA32 24AA256 24C01B 24C16A 24C256 24FC256 24LC211 24LC41A 24LC32A 24LC512 24LCS62  25AA080A 25AA640 25LC080A 25LC640	24AA52 24AA32A 24AA512 24C02A 24C16B  24FC512 24LC02B 24LC08B 24LC32AX 24LC515 24LCS41  25AA080B 25AA640A 25LC080B 25LC640A

	25LC128 27C64 27HC64 27LV64 2817 28C16 28C17B 28LV64A 28PC64	25LC256 27C128 27HC64L 27LV256 2864 28C16A 28C17F	25LC512 27C256 27HC128 27LV512	25LC1024 27C512 27HC256	27C512A 27HC256L			
<b>MITSUBISHI</b>	M5L27256K M5M27C256K M5M28F101	M5L27512K M5M28F101A						
<b>MOSEL-VITELIC</b>	V29C31004B V29C51002T V29LV51000	V29C31004T V29C51004B V29LC51001	V29C51000B V29C51004T V29LC51002	V29C51000T	V29C51001B V29C51001T	V29C51001T	V29C51002B	
<b>NATIONAL SEMICONDUCTORS</b>	NM25C020 NM27C64 NM27C040Q NM27LC256 NM27LV512 NM27P512 NMC27C16B NMC27C64Q NMC27C256Q	NM25C04 NM27C128 NM27LC512 NM27LV010 NM27P040 NMC27C16BQ NMC27C64N NMC27C512A	NM25C040 NM27C256 NM27LV010B	NM25C041 NM27C512	NM25C160 NM27C010	NM25C640 NM27C020	NM27C040	NMC27C64 NMC27C256BN
<b>NEC</b>	μPD28C64	μPD286256						
<b>NSC</b>	NS2816A 2864							
<b>OKI</b>	MSM2764A MSM27C256 MSM2816A(RS) MSM28C16A	MSM27128A MSM27C256H	MSM27256 MSM27C256ZB	MSM27512 MSMB7C256HZB	MSM271000 MSM27C101ZB	MSM27C2000	MSM27C401CZ	
<b>PHILIPS</b>	27C64A	27C256	27C512	27C010	27C040			
<b>PMC</b>	PM29F002B PM29LV002B PM39F512 PM39LV512	PM29F002T PM29LV002T PM39F010 PM39LV010	PM29F004B PM29LV004B PM39F020 PM39LV010R	PM29F004T PM29LV004T PM39F040 PM39LV020	PM29LV104RB PM29LV104RT			
<b>PSS</b>	PS29FS001 PS29LP001							
<b>RENESAS</b>	HN28F101 LE28VF2001ATS	LE28VF4001ATS						
<b>ROCKWELL</b>	R2816							
<b>SAMSUNG</b>	KM2816A KM28C16 KM28C64I	KM2816AI KM28C16I KM28C256	KM2817A KM28C17 KM28C256I	KM2817AI KM28C17I	KM2864A KM28C64	KM2864AH KM28C64A	KM28C64B	
<b>SANYO</b>	LE28F2001ATS	LE28F4001ATS						
<b>SEEQ</b>	2816A DQ2864 DQ28C64 E28C64 M28C64 PQ2864 PQ28C64 DQ28C256	2816AH DQ2864AH DQ28C64A PQ2864H						
<b>SIGNETICS (PHILIPS)</b>	27C256	27C512	27C010					
<b>SPACE ELECTRONICS</b>	28C010	28C010T						
<b>SPANSION</b>	AM29F002B AM29F002T AM29F040A AM29LV001BB MBM29F001B MBM29F004TC MBM29LV001B	AM29F002BB AM29F004BB AM29F040B AM29LV001BT MBM29F001T MBM29F010A MBM29LV001BB	AM29F002BT AM29F004BT AM29LV010B MBM29F002B MBM29F010A MBM29LV001BC	AM29F002NB AM29F010 AM29LV040B MBM29F002NB MBM29F040 MBM29LV001BT	AM29F002NBB AM29F010A MBM29F002NT MBM29F040B MBM29LV001T	AM29F002NBT AM29F010B MBM29F002T MBM29F040C MBM29LV001TC	AM29F002NT AM29F040 MBM29F004BC	
<b>SST</b>	SST28SF040 SST28VF040 SST29SF512 SST29VF512 SST39LF512 SST39LH512 SST39SF512 SST39SF040 SST39VF512 SST49LF002A SST49LF020	SST28SF040A SST28VF040A SST29SF010 SST29VF010 SST39LF010 SST39LH010 SST39SF512A SST39SF040P SST39VF010 SST49LF002B SST49LF020A	SST28LF040 SST29SF020 SST29VF020 SST39LF020 SST39LH020 SST39SF010	SST29SF040 SST29VF040 SST39LF040 SST39LH040 SST39SF010A	SST39SF020 SST39F020A SST39VF040 SST49LF004A SST49LF040A	SST39SF020A SST39VF040P SST49LF004B SST49LF040B	SST39SF020P SST49LF008A SST49LF080A	
<b>ST</b>	M24128 M24C01 M24M01 ST24C02 ST24W02 ST24E16 M2716F M2764 M27C64A M27V256 M27W256 ST2764A ST27C256 TS27C64 M28256 M28C16 M28C64X M28LV64 TS28C16A M28F256	M24128B M24C02 M24M01 ST24C02R ST24W04 M2716-1F M2764A M27C256B M27V512 M27W256B ST27128A TS27C64A M28010 M28C16A M28C010 TS28C17A M28F256A	M24256 M24C04 M24256 M2732A M27128A M27C512 M27V101 M27W512 ST27256 M28010W M28C16B M28C010W M28F512	M24256B M24C08 M24256B M27256 M27C1001 M27V201 M27W101 M28C17A M28F101	M24256-A M24C16 M27512 M27C2001 M27V401 M27W201 M28C17B M28F201	M24C32 M27C4001 M27V801 M27W401 M28C64	M24C64 M27C801 M27W801	M24C64 M28C64C

	M29F512B M29F040 M29V040 M29W512B M95010 M95128	M29F002B M29F040B  M29W010B M95020 M95256	M29F002BB   M29W022BB M95040 M95512	M29F002BNT   M29W022BT M95080	M29F002BT   M29W040 M95160	M29F002T   M29W040B M95320	M29F010B   M95640
<b>SYNCMOS</b>	F29C31004B F29C51002T S29C31001B S29C51001T	F29C31004T F29C51004B S29C31001Y S29C51002B	F29C51000B F29C51004T S29C31002B S29C51002T	F29C51000T  S29C31002T S29C51004B	F29C51001B  S29C31004B S29C51004T	F29C51001T  S29C31004T	F29C51002B  S29C51001B
<b>TEXAS INSTRUMENTS</b>	TMS2516 SMJ27C256 TMS27C64 TMS27C040 TMS27LV010A TMS27PC64 TMS27PC040 TMS28F512 TMS29F256 TMS29LF040 TMS29VF040	TMS2532 SMJ27C512 TMS27C128  TMS27PC128	TMS2564  TMS27C256  TMS27PC256	TMS27C512  TMS27C512 TMS29F010	TMS27C010  TMS27C010 TMS28F020 TMS29F040	TMS27C010A  TMS27C010A TMS27PC010A	TMS27C020  TMS27C020 TMS27PC020
<b>TOSHIBA</b>	TMM27256BD	TMM27512AD					
<b>TURBO IC</b>	29C010	29C021					
<b>VLSI</b>	VT27C64 VT28H64 VT28HC64	VT27C256	VT27C512				
<b>WINBOND</b>	W27C512 W27E256 W27L01 W29C512 W29EE512 W29F002 W39F010 W39L512 W39V040A W39V080FA W49F002 W49V002	W27C010 W27E257 W27L010 W29C010 W29EE010 W29F002B W39L010 W39V040B	W27C020 W27E512 W27L02 W29C011 W29EE011 W29F002N W39L020 W39V040C	W27C020M W27E010 W27L02P W29C011A W29EE012 W29F002U W39L040 W39V080A W49F002N W49V002FP	W27E020 W27L02Q W29C020  W29F040  W39L040A W39V040FA	W27E040  W29C020C    W49F020	W29C040       W39V040FC
<b>XICOR</b>	X25C02 X25020 X25080 X25168 X25326 X25642 X25650 X25F047 X2816A X28010 X28C04 X28C513 X28HC16 X28LC512 X28VC256 XM28C010	X25021 X25097 X25169 X25328 X25643 X25128 X25F087 X2816B  X28C16A X28C010 X28HC64 X28LC513  XM28C020	X25040 X25160 X25170 X25329 X25644 X25138 X25F008 X2816C  X28C16B  X28HC256  XM28C040	X25041 X25163 X25320 X25330 X25645  X25F016 X2864A  X28C16C	X25043 X25164 X25323 X25383 X25646  X25F032 X2864B  X28C64	X25045 X25165 X25324 X25384 X25648  X25F064 X2864H  X28C256	X25057 X25166 X25325 X25640 X25649  X25F128 X28256  X28C512