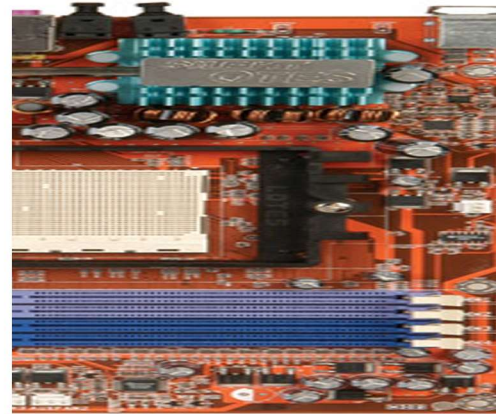


**UNIVERSAL PROGRAMMER FOR EPROM | EEPROM | FLASH MEMORIES  
27Cxxxx | 28Cxxxx | 28Fxxxx | 29Cxxxx | 29Fxxxx | 39Fxxxx | 49Fxxxx  
AND FOR SERIAL EEPROMS AND SPI FLASH 24Cxxx | 25xxx | 25Cxxx | 25Lxxx | 95xxx  
ON USB PORT**



## FlashBiosBox



### Introduction:

The FlashBiosBox is a device reader/programmer/copier supporting Eproms (2716 to 27C801 family) of 16Kb to 8Mb, parallel EEPROMs (28C16 to 28C040 family) up to 4Mb, parallel FLASH memory (28xxx, 29xxx, 37xxx, 39xxx, 49xxx, etc) of 512Kb to 8Mb, i2c and SPI EEPROMs memory (24Cxxx / 25xxx / 25Cxxx / 25Lxxx / 95xxx) until 16Mb. It is equipped with a LED indicating the different status of the programmer, a USB port, a high quality ZIF32 socket supporting devices in DIP packages of 8, 24, 28 or 32 pins and a PLCC32 socket supporting any 32-pin FLASH memory. The FlashBiosBox connects to the USB port of any compatible PC and does not require any external power supply which makes it very practical to use at the office or on a business trip. Its integrated supply runs all the devices requiring a supply of 2.5V / 3.3V / 5.0V / 12.0V / 12.5V / 13V / 21V and 25V.

The software works with Windows 98/ME/2000/XP/VISTA/Windows7/Windows8/Windows10 (32bit and 64 bit).

### Features:

Accepts standard file formats: BINARY, INTEL (Extended) HEX, INTEL HEX16, Motorola S19/S28/S37 records  
Read / Write / Blank-Check Write / Verify / Blank-Check / Erase functions.

Support low voltage devices from 2,5V to 5,0V.

Support high Vpp programming voltage : 12,0V / 12,5V / 13,0V / 21,0V / 25,0V.

Not need exterior adapter for all DIP package devices : 8DIP, 24DIP, 28DIP and 32DIP, (ZIF32 socket).

PLCC32 adapter on board to program parallele FLASH memory.

SPI connectors to program on board devices, (GND, VDD, VPP, DATA0, DATA1, DATA2, DATA3, DATA4, DATA5, DATA7).

Supports Windows 98 / ME / 2000 / XP / VISTA / Win7 / Win8 / Win10 (32bit and 64bit) with 10MB of spare capacity.

### Hardware & Electrical specifications:

Dimensions board : 150 x 125 x 38mm, Weight : 260g

Dimensions package : 250 x 185 x 55mm, Weight : 440g

Power supply on USB port.

Interface : connect to laptop or PC throught USB port (USB 1.1, 2.0 or higher).

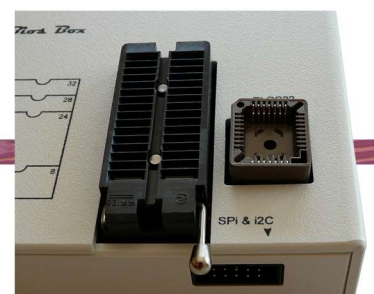
### Item includes:

Programmer with ZIF32 socket, 32PLCC support and SPI connector.

USB cable.

Software on CD in English, French, German, Dutch.

User manual in English and French.





**DEVICES LIST FLASHBIOSBOX**

Push "CTRL + F" keys to find a component

E(E)PROMS / FLASH programmer  
Software Version 2.00

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 AM29LV040B	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 AT29C512 AT29LV512 AT49BV001A AT49BV010 AT49BV002NT AT49F001A AT49F010 AT49F002NT	AT24C02 AT24C164 AT24C128 AT24C1024W AT25080 AT25DF161 AT25F4096 AT27BV020 AT27C010 AT27HC256R AT27LV512R AT27LV040A AT28BV256 AT28C16F AT28C64F AT28C040 AT28HC64B AT28HC256LE AT28LV010 AT29C010 AT29LV010 AT49BV001AN AT49BV002 AT49BV002T AT49F001AN AT49F002 AT49F002T	AT24C02A AT24C32 AT24C256 AT25160 AT25DF321A AT27BV040 AT27C010L AT28C17 AT28C64X AT28HC64L AT28HC256 AT29C010A AT29LV010AT AT49BV001ANT AT49BV002A AT49BV020 AT49F001ANT AT49F002A AT49F020	AT24C04 AT24C32A AT24C256N AT25320 AT25DF641 AT27C020 AT28C17E AT28C256 AT28HC256 AT29C020 AT29LV020 AT49BV001AT AT49BV002AN AT49BV040 AT49F001AT AT49F002AN AT49F040	AT24C08 AT24C32B AT24C256B AT25640 AT28C17F AT28C256E AT28HC256E 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	CAT25020 CAT25C11 CAT25C16 CAT25C256 CAT27128A CAT27HC256L	CAT25040 CAT25C02 CAT25C17 CAT27256	CAT25C03 CAT25C32 CAT27512	CAT25C04 CAT25C33 CAT27010	CAT25C05 CAT25C64	CAT25C08 CAT25C65

	CAT28C16 CAT28C64BI CAT28LV64 CAT28F512N CAT28F020P	CAT28C16AI CAT28C256 CAT28LV256 CAT28F512P CAT28F020T	CAT28C17A CAT28C256I	CAT28C17AI CAT28C512	CAT28C64A CAT28C513	CAT28C64AI	CAT28C64B CAT28F020N
<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
<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	FM25C160 NM25C041 FM27C040  NM27C512 NM27LV010B	FM25C640 NM25C160   NM27C010	NM25C640    NM27C020	NM27C040
<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			
<b>MACRONIX</b>	MX27C256 MX27C4000 MX27L256 KH29LV004C MX29F001B MX29F022NB MX29F004CB MX29LV002CB MX29LV004T	MX27C512 MX27C4000A MX25L512A KH29LV004C MX29F001T MX29F022NT MX29F004CT MX29LV002CT MX29LV040	MX27C1000 MX27C8000 MX27L1000  MX29F002B MX29F022T	MX27C1000A MX27C8000A MX27L2000  MX29F002NB MX29F040	MX27C1001   MX29F002NT MX29F040C	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	24AA01 24AA08 24AA64 24AA1025 24C02C 24C32A 24FC32 24FC1025 24LC01B 24LC025 24LC16B	24AA014 24AA16 24AA64X 24C00 24C04A 24C64 24FC64  24LC014 24LC22A 24LC164	24AA02 24AA164 24AA65 24C01A 24C08A 24C65 24FC65  24LC21 24LC04B 24LC174	24AA024 24AA174 24AA128 24C01B 24C08B 24C128 24FC128  24LC21A 24LC41 24LC32	24AA025 24AA32 24AA256 24C01B 24C16A 24C256 24FC256  24LC211 24LC41A 24LC32A	24AA52 24AA32A 24AA512 24C02A 24C16B  24FC512  24LC02B 24LC08B 24LC32AX

	24LC64 24LC1025 24LCS21 24LCS41A 25AA010A 25AA160 25AA128 25C040 25LC010A 25LC160 25LC128 27C64 27HC64 27LV64 2817 28C16 28C17B 28LV64A 28PC64	24LC64X  24LCS21A  25AA020A 25AA160A 25AA256 25C080 25LC020A 25LC160A 25LC256 27C128 27HC64L 27LV256 2864 28C16A 28C17F	24LC65  24LCS22A  25AA040 25AA160B 25AA512 25C160 25LC040 25LC160B 25LC512 27C256 27HC128 27LV512  28C16AF 28C64A	24LC128  24LCS61  25AA040A 25AA320 25AA1024 25C320 25LC040A 25LC320 25LC1024 27C512 27HC256  28C16F 28C64AF	24LC256  24LCS52  25AA080 25AA320A  25C640 25LC080 25LC320A  27C512A 27HC256L  28C17 28C256	24LC512  24LCS62  25AA080A 25AA640  25LC080A 25LC640  28C17A 28C256F	24LC515  24LCS41  25AA080B 25AA640A  25LC080B 25LC640A  28C17AF
<b>MITSUBISHI</b>	M5L27256K M5M27C256K M5M28F101	M5L27512K  M5M28F101A					
<b>MOSEL-VITELIC</b>	V29C31004B V29C51002T V29LV51000	V29C31004T V29C51004B V29LC51001	V29C51000B V29C51004T V29LC51002	V29C51000T	V29C51001B	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  NMC27C32 NMC27C128B NMC27C010	NM25C041 NM27C512    NMC27C32E NMC27C128BN NMC27C020	NM25C160 NM27C010    NMC27C32Q NMC27C128BQ	NM25C640 NM27C020    NMC27C32B NMC27C256	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 PM39LV040		
<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>SPANION</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  SST39VF020 SST49LF003A SST49LF030A	SST29SF040 SST29VF040 SST39LF040 SST39LH040 SST39SF010A  SST39VF020P SST49LF003B SST49LF040	SST39SF020 SST39SF020A  SST39VF0040 SST49LF004A SST49LF040A	SST39SF020A SST39SF020P  SST39VF0409 SST49LF004B SST49LF040B	SST39SF020P   SST49LF008A SST49LF080A
<b>ST</b>	M24128 M24C01 M24M01 ST24C02 ST24W02	M24128B M24C02  ST24C02R ST24W04	M24256 M24C04  ST24C04 ST24W08	M24256B M24C08  ST24C08 ST24W16	M24256-A M24C16  ST24C16	M24C32	M24C64

	ST24E16						
	M2716F	M2716-1F	M2732A				
	M2764	M2764A	M27128A	M27256	M27512		
	M27C64A	M27C256B	M27C512	M27C1001	M27C2001	M27C4001	M27C801
	M27V256	M27V512	M27V101	M27V201	M27V401	M27V801	
	M27W256	M27W256B	M27W512	M27W101	M27W201	M27W401	M27W801
	ST2764A	ST27128A	ST27256				
	ST27C256						
	TS27C64	TS27C64A	TS27C256				
	M28256	M28010	M28010W				
	M28C16	M28C16A	M28C16B	M28C17A	M28C17B	M28C64	M28C64C
	M28C64X	M28C010	M28C010W				
	M28LV64						
	TS28C16A	TS28C17A					
	M28F256	M28F256A	M28F512	M28F101	M28F201		
	M29F512B	M29F002B	M29F002BB	M29F002BNT	M29F002BT	M29F002T	M29F010B
	M29F040	M29F040B					
	M29V040						
	M29W512B	M29W010B	M29W022BB	M29W022BT	M29W040	M29W040B	
	M95010	M95020	M95040	M95080	M95160	M95320	M95640
	M95128	M95256	M95512				
<b>SYNCHRONOUS</b>	F29C31004B	F29C31004T	F29C51000B	F29C51000T	F29C51001B	F29C51001T	F29C51002B
	F29C51002T	F29C51004B	F29C51004T				
	S29C31001B	S29C31001Y	S29C31002B	S29C31002T	S29C31004B	S29C31004T	S29C51001B
	S29C51001T	S29C51002B	S29C51002T	S29C51004B	S29C51004T		
<b>TEXAS INSTRUMENTS</b>	TMS2516	TMS2532	TMS2564				
	SMJ27C256	SMJ27C512					
	TMS27C64	TMS27C128	TMS27C256	TMS27C512	TMS27C010	TMS27C010A	TMS27C020
	TMS27C040						
	TMS27LV010A						
	TMS27PC64	TMS27PC128	TMS27PC256	TMS27PC512	TMS27PC010	TMS27PC010A	TMS27PC020
	TMS27PC040						
	TMS28F512	TMS28F512A	TMS28F010	TMS28F010B	TMS28F020		
	TMS29F256	TMS29F258	TMS29F259	TMS29F010	TMS29F040		
	TMS29LF040						
	TMS29VF040						
<b>TOSHIBA</b>	TMM27256BD	TMM27512AD					
<b>TURBO IC</b>	29C010	29C021					
<b>VLSI</b>	VT27C64	VT27C256	VT27C512				
	VT28H64						
	VT28HC64						
<b>WINBOND</b>	W27C512	W27C010	W27C020	W27C020M			
	W27E256	W27E257	W27E512	W27E010	W27E020	W27E040	
	W27L01	W27L010	W27L02	W27L02P	W27L02Q		
	W29C512	W29C010	W29C011	W29C011A	W29C020	W29C020C	W29C040
	W29EE512	W29EE010	W29EE011	W29EE012			
	W29F002	W29F002B	W29F002N	W29F002U	W29F040		
	W39F010						
	W39L512	W39L010	W39L020	W39L040	W39L040A		
	W39V040A	W39V040B	W39V040C	W39V080A	W39V040FA	W39W040FB	W39V040FC
	W39V080FA						
	W49F002	W49F002A	W49F002B	W49F002N	W49F002U	W49F020	
	W49V002	W49V002A	W49V002FA	W49V002FP	W49V002P		
<b>XICOR</b>	X25C02						
	X25020	X25021	X25040	X25041	X25043	X25045	X25057
	X25080	X25097	X25160	X25163	X25164	X25165	X25166
	X25168	X25169	X25170	X25320	X25323	X25324	X25325
	X25326	X25328	X25329	X25330	X25383	X25384	X25640
	X25642	X25643	X25644	X25645	X25646	X25648	X25649
	X25650	X25128	X25138				
	X25F047	X25F087	X25F008	X25F016	X25F032	X25F064	X25F128
	X2816A	X2816B	X2816C	X2864A	X2864B	X2864H	X28256
	X28010						
	X28C04	X28C16A	X28C16B	X28C16C	X28C64	X28C256	X28C512
	X28C513	X28C010					
	X28HC16	X28HC64	X28HC256				
	X28LC512	X28LC513					
	X28VC256						
	XM28C010	XM28C020	XM28C040				