

# LEAPER-48

Programmateur universel sur port USB, support 48DIP



Le LEAPER-48 est un programmateur universel qui se connecte sur PC par l'intermédiaire du port USB. Il est équipé d'un support 48DIP et sa librairie contient plus de 3000 références de composants. Il supporte les microcontrôleurs les plus courants (Microchip PIC, Atmel AVR, Intel/Philips 87Cxx), les Eeproms 27xxx, 27Cxxx), les EEproms (24Cxx, 93Cxx, 28Cxx) ainsi que les flashes Eeproms (28Fxx, 29xxx, 39xxx, 49xxx) jusqu'à une capacité de 64Mb. Pour les flash Eeproms il est également possible de choisir les secteurs sur lesquels ont désire travailler ou non. Le LEAPER-48 supporte les composants low-voltage jusqu'à 2,5V, il est équipé d'un système de détection automatique des composants insérés. Des adaptateurs sont disponibles pour les composants en boîtiers CMS : TSOP, PSOP, SOP, PLCC, UPGA. Le logiciel fonctionne sous Windows 98/ME/NT/2000/XP et est présenté sous forme d'arborescence permettant une utilisation intuitive du logiciel. Il est également équipé d'un boîtier pile lui permettant une utilisation sur site avec un ordinateur portable. (Liste des composants supportés, nous consulter).

## Liste des adaptateurs existant :

PLCC  
SOP  
SSOP  
SOJ  
TSOP  
TSSOP  
VSOP  
PSOP  
QFP  
PQFP  
SDIP



## Le Leaper-48 comprend :

- Un programmateur.
- Un bloc d'alimentation 230VAC/12VDC.
- Un cordon port USB (type A-B).
- Un logiciel sur CD-ROM
- Un mode d'emploi en Français.

# LEAPER-48

Liste des composants supportés (1/3) :

<b>ALI</b>	M6759							
<b>AMD</b>	Am27128A	Am2716	Am2716B	Am27512	Am2764	Am2764A	Am27C010	Am27C020
	Am27C040	Am27C100	Am27C1024	Am27C128	Am27C2048	Am27C256	Am27C400	Am27C4096
	Am27C512	Am27C64	Am27H010	Am27H256	Am27HB010	Am27X010	Am27X020	Am27X040
	Am27X128	Am27X256	Am27X512	Am27X64	Am28F010	Am28F010A	Am28F020	Am28F020A
	Am28F256	Am28F512	Am28F512A	Am29F002B	Am29F002BB	Am29F002BT	Am29F002NB	Am29F002NBB
	Am29F002NBT	Am29F002NT	Am29F010	Am29F010A	<b>Am29F016</b>	Am29F040	<b>Am29F080</b>	<b>Am29F200AB</b>
	<b>Am29F200AT</b>	<b>Am29F200B</b>	<b>Am29F200BB</b>	<b>Am29F200BT</b>	<b>Am29F200T</b>	<b>Am29F400AB</b>	<b>Am29F400AT</b>	<b>Am29F400BB</b>
	<b>Am29F400BT</b>	<b>Am29F800B</b>	<b>Am29F800BB</b>	<b>Am29F800BT</b>	<b>Am29F800T</b>	<b>Am29LV001BB</b>	<b>Am29LV001BT</b>	<b>Am29LV002BB</b>
	<b>Am29LV002BT</b>	<b>Am29LV004B</b>	<b>Am29LV004BB</b>	<b>Am29LV004BT</b>	<b>Am29LV004T</b>	<b>Am29LV008BB</b>	<b>Am29LV008BT</b>	Am29LV010
	Am29LV040	<b>Am29LV160DB</b>	<b>Am29LV160DT</b>	<b>Am29LV200B</b>	<b>Am29LV200BB</b>	<b>Am29LV200BT</b>	<b>Am29LV200T</b>	<b>Am29LV320DB</b>
	<b>Am29LV320DT</b>	<b>Am29LV400B</b>	<b>Am29LV400BB</b>	<b>Am29LV400BT</b>	<b>Am29LV400T</b>	<b>Am29LV800B</b>	<b>Am29LV800BB</b>	<b>Am29LV800BT</b>
	<b>Am29LV800T</b>							
<b>AMIC</b>	A27020	A275308	A276308	A276308A	A277308	A278308	A278308A	A279308
	A290011T	<b>A290011TL</b>	<b>A290011TV</b>	A290011U	<b>A290011UL</b>	<b>A290011UV</b>	A290021T	<b>A290021TL</b>
	<b>A290021TV</b>	A290021U	<b>A290021UL</b>	<b>A290021UV</b>	A29002B	A29002T	<b>A29002TL</b>	<b>A29002TV</b>
	A29002U	<b>A29002UL</b>	<b>A29002UV</b>	A29010	<b>A29010B</b>	<b>A29010V</b>	A29040	A29040A
	<b>A29040AL</b>	<b>A29040AV</b>	<b>A29040L</b>	<b>A29040V</b>	<b>A29800TV</b>	<b>A29800UV</b>	<b>A29L800TV</b>	<b>A29L800UV</b>
<b>ATC</b>	24C02	24C04	24C004P	24C08	24LC02	24LC02W	24LC04	24LC08
	93C46	93C56	93C66	93LC46	93LC56	93LC66		
<b>ATMEL</b>	AT24C01	AT24C01A	AT24C02	AT24C04	AT24C08	AT24C1024	AT24C128	AT24C16
	AT24C256	AT24C32	AT24C64	AT25010	AT25020	AT25040	AT25080	AT25128
	AT25160	AT25256	AT25320	AT25640	<b>AT25F1024</b>	<b>AT25F512</b>	AT27BV010	AT27BV020
	AT27BV040	AT27BV080	AT27BV100	AT27BV1024	AT27BV128	AT27BV200	AT27BV2048	AT27BV256
	AT27BV400	AT27BV4096	AT27BV512	<b>AT27BV516</b>	AT27BV64	AT27BV800	AT27C010	AT27C010-L
	AT27C020	AT27C040	AT27C080	AT27C100	AT27C1024	AT27C1024L	AT27C128	AT27C200
	AT27C2048	AT27C2048L	AT27C256	AT27C256R	AT27C400	AT27C4096	AT27C512	AT27C512R
	<b>AT27C516</b>	AT27C800	AT27HC1024	AT27HC256R	AT27HC64	AT27LV010	<b>AT27LV010A</b>	AT27LV010L
	AT27LV020	<b>AT27LV020A</b>	AT27LV040	<b>AT27LV040A</b>	AT27LV080	<b>AT27LV080A</b>	AT27LV100	AT27LV1024
	AT27LV128	AT27LV200	AT27LV2048	AT27LV256	AT27LV256A	AT27LV256R	AT27LV400	AT27LV4096
	AT27LV512	AT27LV512A	AT27LV512R	<b>AT27LV516</b>	AT27LV64	AT27LV800	AT28BV16	AT28BV256
	AT28BV64	AT28BV64B	AT28C04	AT28C16	AT28C256	AT28C64	AT28C64B	AT28C64X
	AT28HC256	AT28HC64B	AT29C010	AT29C010A	AT29C020	AT29C040	AT29C040A	AT29C512
	<b>AT29LV010A</b>	<b>AT29LV020</b>	AT29LV040	AT29LV040A	AT49BV001	AT49BV001N	AT49BV001NT	AT49BV001T
	AT49BV002	AT49BV002N	AT49BV002NT	AT49BV002T	<b>AT49BV010</b>	<b>AT49BV20</b>	<b>AT49BV040</b>	<b>AT49BV080</b>
	<b>AT49BV080T</b>	<b>AT49BV2048</b>	<b>AT49BV4096</b>	AT49BV512	<b>AT49BV8192</b>	<b>AT49BV8192T</b>	AT49F001	AT49F001N
	AT49F001NT	AT49F001T	AT49F002	AT49F002N	AT49F002NT	AT49F002T	AT49F010	AT49F020
	AT49F040	<b>AT49F080</b>	<b>AT49F080T</b>	<b>AT49F1025</b>	<b>AT49F2048</b>	<b>AT49F4096</b>	<b>AT49F4096A</b>	AT49F512
	<b>AT49F516</b>	<b>AT49F8192</b>	<b>AT49F8192A</b>	<b>AT49F8192AT</b>	<b>AT49F8192T</b>	AT49LV001	AT49LV001N	AT49LV001NT
	AT49LV001T	AT49LV002	AT49LV002N	AT49LV002NT	AT49LV002T	<b>AT49LV010</b>	<b>AT49LV020</b>	<b>AT49LV040</b>
	<b>AT49LV080</b>	<b>AT49LV080T</b>	<b>AT49LV2048</b>	<b>AT49LV4096</b>	<b>AT49LV8192</b>	<b>AT49LV8192T</b>	<b>AT49LW040</b>	<b>AT49LW080</b>
	AT87F51	AT87F51RC	AT87F52	AT87F55	AT87F55WD	AT89C1051	AT89C1051U	AT89C2051
	AT89C4051	AT89C51	AT89C52	AT89C55	AT89C55WD	AT89LS52	AT89LS53	AT89LS8252
	AT89LV51	AT89LV52	AT89S51	AT89S52	AT89S53	AT89S8252	AT90LS2333	AT90LS4433
	AT90LS4434	AT90LS8535	AT90S1200	AT90S2313	AT90S2333	AT90S4414	AT90S4433	AT90S4434
	AT90S8515	AT90S8535	AT93C46	AT93C46A	AT93C46B	AT93C56	AT93C57	AT93C66
	AT93C86	ATF22V10C	ATF22V10CEXT	ATF22V10C-USE	ATF22C10CZ	ATF22C10CZ-USE	<b>T89C51IB2-EL</b>	<b>T89C51IB2-EM</b>
	<b>T89C51IB2-EL</b>	<b>T89C51IB2-EM</b>						
<b>BRIGHT</b>	BM29F040							
<b>CATALYST</b>	CAT24C01	CAT24C02	CAT24C04	CAT24C08	CAT24C128	CAT24C16	CAT24C256	CAT24C32
	CAT24C64	CAT24LC01	CAT24LC02	CAT24LC04	CAT24LC08	CAT24LC128	CAT24LC16	CAT24LC256
	CAT24LC32	CAT24LC64	CAT24WC01	CAT24WC02	CAT24WC04	CAT24WC08	CAT24WC128	CAT24WC16
	CAT24WC256	CAT24WC32	CAT24WC64	CAT25C02	CAT25C04	CAT25C08	CAT25C128	CAT25C16
	CAT25C256	CAT25C32	CAT25C64	CAT27010	CAT27128A	CAT27256	CAT27256	CAT2764A
	CAT27C210	CAT27HC256	CAT28C16A	CAT28C256	CAT28C257	CAT28C64B	CAT28C65B	CAT28F010
	CAT28F020	CAT28F512	CAT93C46	<b>CAT93C46J</b>	CAT93C56	<b>CAT93C56J</b>	CAT93C57	CAT93C66
	<b>CAT93C66J</b>	CAT93C86	<b>CAT93C86J</b>					
<b>CYPRESS</b>	CY27C010	CY27C512	CY27H010	CY27H512				
<b>EFST</b>	F49B002UA							
<b>EON</b>	EN29F002	EN29F002NB	EN29F002NT	EN29F002T	<b>EN29F800B</b>	<b>EN29F800T</b>	<b>EN29LV160B</b>	<b>EN29LV160JB</b>
	<b>EN29LV160JT</b>	<b>EN29LV160T</b>	<b>EN29LV400B</b>	<b>EN29LV400JB</b>	<b>EN29LV400JT</b>	<b>EN29LV400T</b>	<b>EN29LV800B</b>	<b>EN29LV800JB</b>
	<b>EN29LV800JT</b>	<b>EN29LV800T</b>						
<b>EXEL</b>	93C46							
<b>FUJITSU</b>	8749H	MBM2716	MBM27256	MBM2764	MBM27C1000	MBM27C1000A	MBM27C1001	MBM27C1001A
	MBM27C1024	MBM27C1024A	MBM27C128	MBM27C128P	MBM27C2000	MBM27C2001	MBM27C2048	MBM27C256A
	MBM27C256AP	MBM27C256H	MBM27C4000	MBM27C4001	MBM27C4096	MBM27C512	MBM27C512P	MBM27C64
	<b>MBM29F002B</b>	<b>MBM29F002T</b>	MBM29F010	<b>MBM29F016</b>	MBM29F040	<b>MBM29F080A-PFTN</b>	<b>MBM29F080A-PN</b>	<b>MBM29F080-PFTN</b>
	<b>MBM29F080-PN</b>	<b>MBM29F160BE</b>	<b>MBM29F160TE</b>	<b>MBM29F200BA</b>	<b>MBM29F200TA</b>	<b>MBM29F400BA</b>	<b>MBM29F400BC</b>	<b>MBM29F400TA</b>
	<b>MBM29F400TC</b>	<b>MBM29F800B</b>	<b>MBM29F800BA</b>	<b>MBM29F800T</b>	<b>MBM29F800TA</b>	<b>MBM29LV002B</b>	<b>MBM29LV002T</b>	<b>MBM29LV004B</b>
	<b>MBM29LV004BC</b>	<b>MBM29LV004T</b>	<b>MBM29LV004TC</b>	<b>MBM29LV008B</b>	<b>MBM29LV008BA</b>	<b>MBM29LV008T</b>	<b>MBM29LV008TA</b>	<b>MBM29LV160B</b>
	<b>MBM29LV160BE</b>	<b>MBM29LV160T</b>	<b>MBM29LV160TE</b>	<b>MBM29LV200B</b>	<b>MBM29LV200T</b>	<b>MBM29LV400B</b>	<b>MBM29LV400T</b>	<b>MBM29LV800B</b>
	<b>MBM29LV800BA</b>	<b>MBM29LV800T</b>	<b>MBM29LV800TA</b>					
<b>HITACHI</b>	HN27128A	HN27128AG	HN27256G	HN27512G	HN27C101A	HN27C101AG	HN27C101G	HN27C256AG
	HN27C256HG	HN58064P						
<b>HOLTEK</b>	HT24C01	HT24C02	HT24C04	HT24C08	HT24C16	HT24LC01	HT24LC02	HT24LC04
	HT24LC08	HT24LC16	HT27C010	HT27C020	HT27C040	HT27C256	HT27C512	HT27LC010
	HT27LC020	HT27LC040	HT27LC256	HT27LC512	HT27PC010	HT27PC020	HT27PC256	HT27PC512
	HT93LC46A	HT93LC46B	HT93LC56A	HT93LC56B	HT93LC66A	HT93LC66B		

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Liste des composants supportés (2/3) :

<b>HYUNDAI</b>	GMS97C1051 GMS97L2051 <b>HY29F800ABG</b>	GMS97C2051 GMS97L51 <b>HY29F800ABT</b>	GMS97C51 GMS97L52 <b>HY29F800ATG</b>	GMS97C52 GMS97L54 <b>HY29F800ATT</b>	GMS97C54 GMS97L56 <b>HY29F800BG</b>	GMS97C56 GMS97L58 <b>HY29F800BT</b>	GMS97C58 <b>HY29F040AC</b> <b>HY29F800TG</b>	GMS97L1051 <b>HY29F040AT</b> <b>HY29F800TT</b>
<b>ICE</b>	ICE27C010	ICE27C020	ICE27C512	ICE29LF512				
<b>ICT</b>	93C46	93C56	93C66					
<b>IMT</b>	IM29F001T	IM29F002T						
<b>INTEL</b>	27010 27C128 87C51FB 87L51FA D8750AH <b>E28F008S5</b> <b>E28F400B5T</b> <b>N82802AA</b> <b>PA28F008SC</b> <b>PA28F800B5B</b> <b>TE28F160C3B</b> <b>TE28F800B3B</b>	27128A 27C256 87C51FC 87L51FB D8750H <b>E28F008SC</b> <b>E28F400CVB</b> <b>N82802AB</b> <b>PA28F016S3</b> <b>PA28F800B5T</b> <b>TE28F160C3T</b> <b>TE28F800B3T</b>	27256 27C400 87C51RA 87L51FC <b>E28F004B5B</b> <b>E28F016S3</b> <b>N82802AC</b> <b>PA28F016S5</b> <b>TE28F008B3B</b> <b>TE28F320B3B</b> <b>TE28F800C3B</b>	27512 27C512 87C51RB D2716 <b>E28F004B5T</b> <b>E28F016S5</b> <b>PA28F004S3</b> <b>PA28F016SC</b> <b>TE28F008B3T</b> <b>TE28F320B3T</b> <b>TE28F800C3T</b>	27C010 28F010 87C51RC D8748AH <b>E28F004S3</b> <b>E28F016S3</b> <b>PA28F004S5</b> <b>PA28F200B5B</b> <b>TE28F016B3B</b> <b>TE28F320C3B</b>	27C020 28F020 87C52 D8748H <b>E28F004S5</b> <b>E28F200B5B</b> <b>PA28F004SC</b> <b>PA28F200B5T</b> <b>TE28F016B3T</b> <b>TE28F320C3T</b>	27C040 87C51 87C54 D8749AH <b>E28F004SC</b> <b>E28F200B5T</b> <b>PA28F008S3</b> <b>PA28F400B5B</b> <b>TE28F160B3B</b> <b>TE28F400B3B</b>	27C100 87C51FA 87C58 D8749H <b>E28F008S3</b> <b>E28F400B5B</b> <b>E82802AA</b> <b>PA28F008S5</b> <b>PA28F400B5T</b> <b>TE28F160B3T</b> <b>TE28F400B3T</b>
<b>ISSI</b>	93C46 IS24C04-3 IS27C256	93C56 IS24C08-2 IS27C512	93C66 IS24C08-3 IS27HC010	IS24C01-2 IS24C16-3 IS27HC020	IS24C01-3 IS24C32-2 IS27HC256	IS24C02-2 IS24C32-3 IS27HC512	IS24C02-3 IS24C64-2	IS24C04-2 IS24C64-3
<b>MEGAWIN</b>	MM29F040E	MM29F040P	MM29F040T	MM29LF040E	MM29LF040P	MM29LF040T		
<b>MICROCHIP</b>	24AA00 24AA32 24C16 24LC04 25C040 25LC320 27LV256 93C46BX 93C86 93LC56AX 93LC76 PIC12CE518 PIC14000 PIC16C54B PIC16C55-HS PIC16C56-RC PIC16C58A PIC16C622 PIC16C65 PIC16C712 PIC16C745 PIC16C83 PIC16CR56A PIC16F628 PIC16F870 PIC16LC620A PIC16LC712 PIC16LC76 PIC16LF628 PIC16LF873 PIC18F258 PIC18LF258	24AA01 24AA64 24C256 24LC08 25C080 25LC640 27LV64 93C56 93LC46 93LC56B 93LC86 PIC12CE519 PIC12CE519 PIC16C52 PIC16C54C PIC16C55-LP PIC16C56-XT PIC16C58B PIC16C622A PIC16C65A PIC16C716 PIC16C74A PIC16C84 PIC16CR57B PIC16F73 PIC16F871 PIC16LC621 PIC16LC716 PIC16LC77 PIC16LF73 PIC16LF874 PIC18F442 PIC18LF442	24AA02 24C00 24C32 24LC128 25C160 27C128 28C04A 93C56A 93LC46A 93LC56BX PIC12C508 PIC12CE673 PIC16C52-HS PIC16C54-HS PIC16C55-RC PIC16C57 PIC16C61 PIC16C62A PIC16C65B PIC16C72 PIC16C74B PIC16CE623 PIC16CR57C PIC16F74 PIC16F872 PIC16LC621A PIC16LC72 PIC16LC773 PIC16LF74 PIC16LF876 PIC18F448 PIC18LF448	24AA04 24C01 24C64 24LC16 25C320 27C256 28C16A 93C56B 93LC46AX 93LC66 PIC12C508A PIC12CE674 PIC16C52-LP PIC16C54-LP PIC16C55-XT PIC16C57C PIC16C62 PIC16C62B PIC16C66 PIC16C72A PIC16C76 PIC16CE624 PIC16CR58A PIC16F76 PIC16F873 PIC16LC622 PIC16LC72A PIC16LC774 PIC16LF76 PIC16LF877 PIC18F452 PIC18LF452	24AA08 24C02 24C65 24LC256 25C640 27C512 28C64A 93C66 93LC46B 93LC66A PIC12C509 PIC12LC671 PIC16C52-RC PIC16C54-RC PIC16C56 PIC16C57-HS PIC16C620 PIC16C63 PIC16C67 PIC16C73 PIC16C765 PIC16CE625 PIC16CR58B PIC16F77 PIC16F874 PIC16LC622A PIC16LC73A PIC16LCE623 PIC16LF77 PIC16LV54A PIC18F458 PIC18LF458	24AA128 24C04 24LC00 24LC32 25LC040 27C512A 28LV64A 93C66A 93LC46BX 93LC66AX PIC12C509A PIC12LC672 PIC16C52-XT PIC16C54-XT PIC16C56 PIC16C57-LP PIC16C620A PIC16C63A PIC16C71 PIC16C73A PIC16C77 PIC16CR54A PIC16CR83 PIC16F83 PIC16F876 PIC16LC71 PIC16LC73B PIC16LCE624 PIC16LF870 PIC16LF871 PIC18F242 PIC18LF242	24AA16 24C08 24LC01 24LC64 25LC080 27C64 93C46 93LC66B 93LC66B PIC12C671 PIC12LCE673 PIC16C54 PIC16C55 PIC16C56-HS PIC16C57-RC PIC16C621 PIC16C64 PIC16C710 PIC16C73B PIC16C773 PIC16CR54B PIC16CR84 PIC16F84 PIC16F877 PIC16LC710 PIC16LC74A PIC16LCE625 PIC16LF627 PIC16LF872 PIC18F248 PIC18LF248	24AA256 24C128 24LC02 24LC65 25LC160 27HC256 93C46B 93C76 93LC56A 93LC66BX PIC12C672 PIC12LCE674 PIC16C54A PIC16C55A PIC16C56-LP PIC16C57-XT PIC16C621A PIC16C64A PIC16C711 PIC16C74 PIC16C774 PIC16CR54C PIC16F627 PIC16F84A PIC16LC620 PIC16LC711 PIC16LC74B PIC16LF627 PIC16LF872 PIC18F252 PIC18LF252
<b>MICRON</b>	<b>MT28F002B3B</b> <b>MT28F008B3B</b> <b>MT28F400B3B</b>	<b>M28F002B3T</b> <b>M28F008B3T</b> <b>M28F400B3T</b>	<b>MT28F002B5B</b> <b>MT28F008B5B</b> <b>MT28F400B5B</b>	<b>MT28F002B5T</b> <b>MT28F008B5T</b> <b>MT28F400B5T</b>	<b>MT28F004B3B</b> <b>MT28F200B3B</b> <b>MT28F800B3B</b>	<b>MT28F004B3T</b> <b>MT28F200B3T</b> <b>MT28F800B3T</b>	<b>MT28F004B5B</b> <b>MT28F200B5B</b> <b>MT28F800B5B</b>	<b>MT28F004B5T</b> <b>MT28F200B5T</b> <b>MT28F800B5T</b>
<b>MITSUBISHI</b>	M5L27256K	M5L27512K	M5M27256P	M5M27512P	M5M28C64AP	M5M28C64P		
<b>MOSEL-VITELIC</b>	MSU2952	MSU2958						
<b>MXIC</b>	MX10FMAXDPC MX27C2000 MX27C512 MX27L512 MX29F001T MX29F022NB MX29F160T MX29LV004B MX29LV160T MX29LV400TTC MX29LV800TTC	<b>MX10FMAXDQC</b> MX27C2000A MX27C64 MX28F2000PPC MX29F002B MX29F200T MX29LV004T MX29LV161B MX29LV800AB MX29LV800TTC	MX26C512A MX27C2048 MX27C8000 MX28F2000PQC MX29F002NB MX29F040 MX29F200T MX29LV008B MX29LV161T MX29LV800AT	MX27C1000 MX27C2100 MX27C8100 MX28F2000PTC MX29F002NT MX29F080M MX29F400B MX29LV008T MX29LV320BTC MX29LV800B	MX27C1000A MX27C256 MX27L1000 MX28F2000TPC MX29F002T MX29F080T MX29F400T MX29LV040 MX29LV320TTC MX29LV800BMC	MX27C1024 MX27C4000 MX27L2000 MX28F2000TQC MX29F004B MX29F100B MX29F800B MX29LV160AB MX29LV400B MX29LV800BTC	MX27C1100 MX27C4096 MX27L256 MX28F2000TTC MX29F004T MX29F100T MX29F800T MX29LV160AT MX29LV400BTC MX29LV800T	MX27C128 MX27C4100 MX27L4000 MX29F001B <b>MX29F016</b> <b>MX29F160B</b> <b>MX29F800T</b> <b>MX29LV160B</b> <b>MX29LV400T</b> <b>MX29LV800TMC</b>
<b>MYSON</b>	MTV212MN32	<b>MTV212MS32</b>						
<b>NS</b>	FM25C020U NM24C02 NM24C08 NM27C010 NM93C46AL NM93C66 NMC27C16B	FM25C020UL NM24C02L NM24C08L NM27C020 NM93C46LZ NM93C66A NMC27CH	FM25C040U NM24C03 NM24C09L NM27C040 NM93C46T NM93C66AL	FM25C040UL NM24C03L NM24C09L NM27C256 NM93C56 NM93C66LZ	FM25C160U NM24C04 NM24C16 NM27C512 NM93C56A NM93C66T	FM25C160UL NM24C04L NM24C16L NM27LV010 NM93C56AL NM93C86A	FM25C320U NM24C05 NM24C17L NM93C46 NM93C56LZ NM93C86AL	FM25C320UL NM24C05L NM24C17L NM93C46A NM93C56T NMC2716

# LEAPER-48



Liste des composants supportés (3/3) :

<b>NEC</b>	μPD2716 μPD27C4001	μPD27C1000 μPD27C4096	μPD27C1000A μPD27C512	μPD27C1001A μPD8748H	μPD27C1024 μPD8749H	μPD27C2001	μPD27C256A	μPD27C4000
<b>OKI</b>	MR27V401D MSM27256 MSM27C802CZ	MR27V402D MSM27512 MSM27C852CZ	MR27V452D MSM27C1000	MR27V801D MSM27C1024	MR27V802D MSM27C201CZ	MR27V852D MSM27C401CZ	MSM271024 MSM27C402CZ	MSM2716 MSM27C452CZ
<b>PHILIPS</b>	27C010 P89C138MB P89C51RA2HBP P89C51RC+ P89C51RD2BA P89C52BN P89C54X2BN P89C664	27C256 P89C238MB P89C51RB+ P89C51RC2 P89C51RD2BN P89C52UB P89C58BA P89C668	27C512 P89C51BA P89C51RB2 P89C51RC2BA P89C51RD2HBA P89C52X2BA P89C58BN P89C838MB	P87LPC762 P89C51BN P89C51RB2BA P89C51RC2BN P89C51RD2HBP P89C52X2BN P89C58UB	P87LPC764 P89C51RA+ P89C51RB2BN P89C51RC2HBA P89C51UB P89C54BA P89C58X2BA	P87LPC767 P89C51RA2BA P89C51RB2HBA P89C51RC2HBP P89C51X2BA P89C54BN P89C58X2BN	P87LPC768 P89C51RA2BN P89C51RB2HBP P89C51RD+ P89C51X2BN P89C54UB P89C660	P87LPC769 P89C51RA2HBA P89C51RC+ P89C51RD2 P89C52BA P89C54X2BA P89C662
<b>PMC</b>	PM25LV010 PM29LV004B <b>PM49FL002T</b>	PM25LV512 PM29LV004T <b>PM49FL004T</b>	PM29F002B <b>PM39F010</b>	PM29F002T <b>PM39F512</b>	PM29F004B <b>PM39LV010</b>	PM29F004T <b>PM39LV010R</b>	PM29LV002B <b>PM39LV512</b>	PM29LV002T <b>PM39LV512R</b>
<b>PSS</b>	PS29FS001	PS29LP001						
<b>SAMSUNG</b>	93C46	KM28C16	KM28C256					
<b>SEEQ</b>	27128 DQ28C256 DQ28HC64H	27256 DQ28C256A	2764 DQ28C64	27C256 DQ28C64A	DQ2804A DQ28C65	DQ2816A DQ28HC256	DQ2864 DQ28HC256H	DQ2864H DQ28HC64
<b>SHARP</b>	<b>LH28F160BJE-BTL</b> <b>LH28F400BT</b>	<b>LH28F160BJE-TTL</b> <b>LH28F800BB</b>	<b>LH28F160BJHE-BTL</b> <b>LH28F800BT</b>	<b>LH28F160BJHE-TTL</b> <b>LH28F800BT</b>	<b>LH28F320BFHE-PBTL</b> <b>LH28F800BT</b>	<b>LH28F320BFHE-PTTL</b> <b>LH28F800BT</b>	<b>LH28F320BFHG</b> <b>LH28F400BB</b>	<b>LH28F400BB</b>
<b>SIEMENS</b>	SLA24C01 SLE24C04	SLA24C02 SLE24C08	SLA24C04 SLE24C16	SLA24C08 SLE24C32	SLA24C16	SLA24C32	SLE24C01	SLE24C02
<b>SONIX</b>	SN8P1602	SN8P1603						
<b>SONY</b>	CXK27C1000	CXK27C1001	CXK27C256	CXK27C512				
<b>SST</b>	SST27SF010 SST28SF040 SST29EE512 SST29VE010 <b>SST39LF020</b> <b>SST39LF512</b> SST39SF512 <b>SST39VF200A</b> <b>SST49LF004</b> <b>SST49LF080A</b>	SST27SF020 SST28SF040A SST29EE512A SST29VE010A <b>SST39LF040</b> <b>SST39LF800</b> <b>SST39VF010</b> <b>SST39VF400</b> <b>SST49LF004A</b> SST89C54	SST27SF256 SST28VF040 SST29LE010 SST29VE020 <b>SST39LF080</b> <b>SST39LF800A</b> <b>SST39VF016</b> <b>SST39VF400A</b> <b>SST49LF008A</b> SST89C58	SST27SF512 SST28VF040A SST29LE010A SST29VE020A <b>SST39LF160</b> SST39SF010 <b>SST39VF020</b> <b>SST39VF512</b> <b>SST49LF020</b> SST89F54	SST27VF010 SST29EE010 ST29LE020 SST29VE512 <b>SST39LF200</b> SST39SF010A <b>SST39VF040</b> <b>SST39VF800</b> <b>SST49LF020A</b> SST89F58	SST27VF020 SST29EE010A SST29LE020A SST29VE512A <b>SST39LF200A</b> SST39SF020 <b>SST39VF080</b> <b>SST39VF800A</b> <b>SST49LF030A</b> SST89F58	SST27VF040 SST29EE020 SST29LE512 <b>SST39LF010</b> <b>SST39LF400</b> SST39SF020A <b>SST39VF160</b> <b>SST49LF002A</b> <b>SST49LF040</b> SST89F58	SST28LF040 SST29EE020A SST29LE512A <b>SST39LF016</b> <b>SST39LF400A</b> SST39SF040 <b>SST39VF200</b> <b>SST49LF003A</b> <b>SST49LF040A</b> SST89F58
<b>ST</b>	M24128 M24C02 M24C08 M24C32 <b>M25P05</b> M27C1001 M27C512 M27V202 M27W202 M29F002NB <b>M29F200T</b> <b>M29W400BB</b> <b>M29W800T</b> <b>M50LPW080K</b>	M24128-W M24C02-R M24C08-R M24C32-R <b>M25P10</b> M27C1024 M27C64A M27V400 M27W400 M29F002NT <b>M29F400B</b> <b>M29W400BT</b> <b>M50FW002K</b> M93C46	M24256 M24C02-S M24C08-S M24C32-S <b>M25P20</b> M27C160 M27C800 M27V401 M27W401 M29F002T <b>M29F400BB</b> <b>M29W400T</b> <b>M50FW040K</b> M93C56	M24256-W M24C02-W M24C08-W M24C16 M24C32-W M27128A M27C2001 M27C801 M27V800 M27W800 M29F010B <b>M29F400BT</b> <b>M29W800AB</b> <b>M50FW080K</b> M93C66	M24C01 M24C04 M24C16 M24C64 M2716 M27C202 M27V101 M27V801 M27W801 M29F040B <b>M29F400T</b> <b>M29W800AT</b> <b>M50FW080N</b> M93S46	M24C01-R M24C04-R M24C16-R M24C64-R M27256 M27C256B M27V102 M27W101 M29F002B <b>M29F200B</b> <b>M29F800AB</b> <b>M29W800B</b> <b>M50LPW002K</b> M93S56	M24C01-S M24C04-S M24C16-S M24C64-S M27512 M27C4001 M27V160 M27W102 M29F002BB <b>M29F200BB</b> <b>M29F800AT</b> <b>M29W800DB</b> <b>M50LPW040K</b> M93S66	M24C01-W M24C04-W M24C16-W M24C64-W M2764A M27C4002 M27V201 M27W201 M29F002BT <b>M29F200BT</b> <b>M29W400B</b> <b>M29W800DT</b> <b>M50LPW041K</b> M93S66
<b>SYNCOMOS</b>	29C51002T SM8954	SM2952 SM8958	SM2958	SM2965	SM7932	SM8951	SM89516	SM8952
<b>TEMIC</b>	TSC87C51	TSC87C52						
<b>TI</b>	TMS27C010A TMS27C512 TMS27PC240 <b>TMS28F004B3T</b> TMS28F010B <b>TMS28F400B5B</b>	TMS27C020 TMS27C64 TMS27PC256 <b>TMS28F004B5B</b> TMS28F020 <b>TMS28F400B5T</b>	TMS27C040 TMS27PC010A TMS27PC512 <b>TMS28F004B5T</b> <b>TMS28F200B3B</b> <b>TMS28F800B3B</b>	TMS27C128 TMS27PC020 <b>TMS28F002B3B</b> <b>TMS28F008B3B</b> <b>TMS28F200B3T</b> <b>TMS28F800B3T</b>	TMS27C210 TMS27PC040 <b>TMS28F002B3T</b> <b>TMS28F008B3T</b> <b>TMS28F200B5B</b> <b>TMS28F800B5B</b>	TMS27C210A TMS27PC128 <b>TMS28F002B5B</b> <b>TMS28F008B5B</b> <b>TMS28F200B5T</b> <b>TMS28F800B5T</b>	TMS27C240 TMS27PC210 <b>TMS28F002B5T</b> <b>TMS28F008B5T</b> <b>TMS28F400B3B</b> TMS29F040	TMS27C256 TMS27PC210A <b>TMS28F004B3B</b> TMS28F010A <b>TMS28F400B3T</b> <b>TMS28F800B3T</b>
<b>TOSHIBA</b>	TC541000AP TC57H1000AD TMM2764D	TC544000AP TC57H1001AD TMM2764DI	TC54H1000AP TC57H1024AD	TC54H1001AP TC57H1025AD	TC54H1024AP TC57H4000AD	TC571000AD TC57H4096AD	TC571001AD TMM27128D	TC57256D TMM27512AD
<b>UMC</b>	8748H							
<b>WINBOND</b>	W27C010 W27E010 W27L010 <b>W28V800BT</b> W29EE011 <b>W39L512</b> <b>W49V002FAP</b> W78E516B W78E62B	W27C02 W27E02 W27L02 <b>W28V800TT</b> W29EE512 <b>W39V040AP</b> <b>W49V002FP</b> W78E51B W78E65	W27C020 W27E020 <b>W28J160BT</b> W29C010 W29F002U <b>W39V040FAP</b> <b>W49V002P</b> W78E52 W78LE51	W27C020M W27E040 <b>W28J160TT</b> W29C011A W29F002UP W49F002U W77E58 W78LE516	W27C257 W27E257 <b>W28J800BT</b> W29C020 W29F002UT W49F002UP W77LE58 W78LE52	W27C4096 W27E4096 <b>W28J800TT</b> W29C020C <b>W39L010</b> <b>W49F002UT</b> W78E365 W78LE54	W27C512 W27E512 <b>W28V400BT</b> W29C040 <b>W39L020</b> <b>W49F102P</b> W78E51 W78LE58	W27E01 W27L01 <b>W28V400TT</b> W29EE010 <b>W39L040</b> <b>W49V002AP</b> W78E516 W78E62
<b>XICOR</b>	X2804AP	X28C64P	X28HC256					