Программатор Willem Eprom PCB5.0 SPI 2022 для EPROM, EEPROM, Flash

Программатор Willem Eprom PCB5.0 SPI 2022 **для** EPROM, EEPROM, Flash с параллельным и последовательным интерфейсом и микроконтроллеров.

Поддерживаемые чипы:

EPROM, EEPROM, FLASH, I2C, PIC, MCS-51, AVR, 93Cxx, ISP

SPI FLASH

— WINBOND —
W25X010 , W25X020 , W25X040 , W25X080 , W25X16 , W25X32 , W25X64
— MXIC —
MX25L512 , MX25L1005 , MX25L2005 , MX25L4005A , MX25L8005A , MX25L1605 , MX25L3205 , MX25L6405
— EON —
EN25B05 , EN25B10 , EN25B20 , EN25B40 , EN25B80 , EN25B16 , EN25B32 , EN25B64
EN25P05 , EN25P10 , EN25P20 , EN25P40 , EN25BP80 , EN25P16 , EN25P32 , EN25P64
EN25D80 , EN25D16 , EN25F20 , EN25F40 , EN25F80 , EN25F16
— AMIC —
A25L05P-B , A25L10P-B , A25L20P-B , A25L05P-T , A25L10P-T , A25L20P-T , A25L512
A25L010 , A25L020 , A25L040 , A25L080 , A25L016 , A25L032
— pFLASH —
Pm25LV512 , Pm25LV010 , Pm25LV020 , Pm25LV040 , Pm25LV080 , Pm25LV016
— Numonyx (ST) —
M25P05 , M25P10 , M25P20 , M25P40 , M25P80 , M25P16 , M25P32 , M25P64 , M25PE10 , M25PE20 , M25PE40 , M25PE80 , M25PX80 , M25PX16 , M25PX32 , M25PX64
— SPANSION —
S25FL004A/040A , S25FL008A , S25FL040A-T , S25FL040A-B , S25FL016A , S25FL032A , S25FL064A
— ATMEL —
AT25DF021 , AT25DF041A , AT25DF081 , AT25DF081A , AT25DF161 , AT25DF321A , AT25DF641 , AT26DF041 , AT26DF161A , AT26DF321

EPROM

27C64 , 27C128 , 27C256 , 27C512 , 27CO1O , 27CO2O , 27CO4O , 27C1OO1
M27C1OO1 , M27C2OO1 , M27C4OO1 , 27CO8O (A19) , M27C8O1 , M87C257
2716 (Vpp25V) , 2732 , (adapter DIP24) , 2764 , 27128 , 27256 , 27512 , 27O1O,
Vpp12.5V (21Vpp Modify Circuit)

EEPROM

28C65 , 28C64 , 28C128 , 28C256 , 28C512 , 28CO1O , 28CO2O , 28CO4O
M28C16A/17A (DIP28)
(Adapter or Jumper)28C16,XLS2816 (DIP24)

FLASH Memory

28F64 , 28F128 , 28F256 , 28F512 , 28FO1O , 28FO2O , SST39VF16O1 , SST49LFOO2B , SST49LFOO3B , SST49LFOO4B , SST39LFO4OB
SST39LF/VFO2O , MX26C1OOO , MX26C2OOO , MX28F1OOO , MX28F2OOO , A49LFOO4TL-33F , A49LFOO4TX , A49LFO4OA , A49LFO4ON ,
49LFO4OTL , A49LFO4OTL
Am28F256A , Am28F512A , Am28FO1OA , Am28FO2OA (New command erase/prog.) , A49LFOO4 , A49LFOO4TL , A49LFOO4TL
A49LFO4OTL-33C , A49LFO4OTX
— intel — i28FOO1BX , 28FOO4 , 28FOO8 , 28FO16
— Winbond — 39vO4OAP , 39vO8OAP , W39VO4OFA , W39VO4OFAP , W39VO4OBP , W39VO4OBPZ , W49VO4OFBPZ , W39VO4OFCP ,
W39VO4OFCPZ
W39VO8OAP , W39VO8OAPZ , W39VO8OFAP , W39VO8OFAPZ
SPD IC: SD Memory: SPD24CO2 , SPD24CO4 , SPD24CO8 , SPD24C16 , SPD24C32(32)
DDR Memory: SPD 24CO2 , 24CO4 , 24CO8 , 24C16 , 24C32(32) , 93CO6(8 bit) , 93C46(8 bit) , 93C56(8 bit) , 93C57t(8 bit) , 93C66(8 bit) ,
93C76t(8 bit)
PM49FLOO2T , PM49FLOO4T , PM49FLOO8T , PM49FOO2T , PM49FO2O , PM49FOO8T , PM49FO2OA , PM49FOO4T , PM49FO4O ,
PM49FLxx , EON29Fxx

FLASH Memory

29F64 , 29F128 , 29F256 , 29F512 , 29FO1O , 29FO2O , 29FO4O , 29FO8O , 29FOO1 , 29FOO2 , 29FOO4 , 29FOO8 , 29FO16 , 29FO32 ,
V29C51OO2T , 29LVO4O

Serial (I2C) EEPROM

24Cxx

24C02 , 24C04 , 24C08 , 24C16 , 85C72 , 85C82 , 85C92
— page write —-
24C32 , 24C64 , 24C128 , 24C256 , 24C512

Microwire EEPROM

<—— Data 8bit ——> (pin 6 ->ORG. [Schematic connect to GND])
93C06 , 93C46 , 93LC46 , 93C56 , 993C57, 93C66 , 93C76 , 93C86 (8bit)
AT59C11 , AT59C22 , 9AT59C13, CAT35C102 , CAT35C104 , CAT35C108 (pullup pin7)
<——Data 16bit ——> (pin 6 ->NC [No Connect])
93C06A , 93C46X , 93C56 , 93C66 , 93C76 , 93C86 (NS)

Microchip PIC

16C84 , 16F84 , 16F84A , 16F627/16F628 , 12C508/A , 12C509/A , 12CE518 , 12CE519 , 16C505
16C620 , 16C621 , 16C622 , 16CE623 , 16CE624 , 16CE625 , 16C710/711
—ICSP connector—-
16F870 , 16F871 , 16F872 , 16F873 , 16F874 , 16F876 , 16F877 PIC16F873A , PIC16F874A , PIC16F876A , PIC16F877A
-Add PIC microchip 14bit
PIC12F629 , PIC12F675 , PIC16F630 , PIC16F676 , PIC12F635 , PIC12F683 , PIC16F636 , PIC16F684 , PIC16F688
PIC16F72 , PIC16F73 , PIC16F74 , PIC16F76 , PIC16F77 , PIC16F737 , PIC16F747 , PIC16F767 , PIC16F777 , PIC16F87/88 , PIC12F675x , PIC16F785/PS200 , PIC16F716
-Add microchip 14bit,12bit OTP
PIC12C671 , PIC12C672 , PIC12CE673 , PIC12CE674 , PIC16C61 , PIC16C71 , PIC16C62/64 , PIC16C65 , PIC16C73
PIC16C62A , PIC16C62B , PIC16C62C , PIC16C63 , PIC16C63A , PIC16C64A , PIC16C65A , PIC16C65B , PIC16C66 , PIC16C67
PIC16C72 , PIC16C72A , PIC16C73A , PIC16C74A , PIC16C74B , PIC16C76 , PIC16C77 , PIC16C620 , PIC16C620A , PIC16C621 , PIC16C621A , PIC16C622 , PIC16C622A

PIC16CE623 , PIC16CE624 , PIC16CE625 , PIC16C710 , PIC16C711 , PIC16C712 , PIC16C716 , PIC16C773 , PIC16C774 , PIC16C745 , PIC16C765 , PIC16C923 , PIC16C924

PIC16C925 , PIC16C926 , PIC16C554 , PIC16C556 , PIC16C557 , PIC16C558 , PIC16C432 , PIC16C433 , PIC16C717 , PIC16C770 , PIC16C771 , PIC16C781 , PIC16C782

-Additional PIC microchip 14bit

PIC12F629 , PIC12F675 , PIC16F630 , PIC16F676 , PIC12F635 , PIC12F683 , PIC16F636 , PIC16F684 , PIC16F688 , PIC16F72 , PIC16F73 , PIC16F74

PIC16F76 , PIC16F77 , PIC16F737 , PIC16F747 , PIC16F767 , PIC16F777 , PIC16F87 , PIC16F88 , rfPIC12F675x , PIC16F785 , PS200 , PIC16F716

-Additional microchip 14bit OTP

PIC12C671 , PIC12C672 , PIC12CE673 , PIC12CE674 , PIC16C61 , PIC16C71 , PIC16C62 , PIC16C64 , PIC16C65 , PIC16C73

PIC16C62A , PIC16C62B , PIC16C62C , PIC16C63 , PIC16C63A , PIC16C64A , PIC16C65A , PIC16C65B , PIC16C66 , PIC16C67 , PIC16C72 , PIC16C72A , PIC16C73A , PIC16C74A

PIC16C74B , PIC16C76 , PIC16C77 , PIC16C620 , PIC16C620A , PIC16C621 , PIC16C621A , PIC16C622 , PIC16C622A , PIC16CE623 , PIC16CE624 , PIC16CE625 , PIC16C710 , PIC16C711

PIC16C712 , PIC16C716 , PIC16C773 , PIC16C774 , PIC16C745 , PIC16C765 , PIC16C923 , PIC16C924 , PIC16C925 , PIC16C926 , PIC16C554 , PIC16C556 , PIC16C557 , PIC16C558

PIC16C432 , PIC16C433 , PIC16C717 , PIC16C770 , PIC16C771 , PIC16C781 , PIC16C782

-Additional PIC microchip 12bit (FLASH memory)

PIC12F508 , PIC12F509 , PIC10F200 , PIC10F202 , PIC10F204 , PIC10F206 , PIC16F505 , PIC16F54 , PIC16F57

-Add PIC18Fxxx

PIC18F242 , 18F248 , 18F252 , 18F258 , 18F442 , 18F448 , 16F452 , 16F458

PIC18F1220 , 18F2220 , 18F4220 , 18F1320 , 18F2320 , 18F4320 , PIC18F6520 , 18F6620 , 18F6720 , 18F8520 , 18F8620 , 18F8720

PIC18F2331 , 18F2431 , 18F4331 , 18F4431 , PIC18F6525 , 18F6621 , 18F8525 , 18F8621 , PIC18F6585 , 18F6680 , 18F8585 , 18F8680 , PIC18F2439 , 18F2539 , 18F4439 , 18F4539

PIC18F6410 , 18F8410 , 18F6490 , 18F8490

 -Additional PIC18Fxxx

PIC18F2410 , PIC18F2420 , PIC18F2455

PIC18F2510 , PIC18F2515 , PIC18F2520 , PIC18F2525 , PIC18F2550 , PIC18F2585 , PIC18F2610 ,

PIC18F2620 , PIC18F2680 , PIC18F4410, PIC18F4420 , PIC18F4455
PIC18F4510 , PIC18F4515 , PIC18F4520 , PIC18F4525 , PIC18F4550 , PIC18F4585 , PIC18F4610 ,
PIC18F4620 , PIC18F4680
-Additional Find and edit value OSCCAL (PIC12F629 , PIC12F675 , PIC16F630 , PIC16F676)
-Additional Edit config at address 0x2008,0x2009 (PIC12F635 , PIC12F683 , PIC16F636 , PIC16F684 ,
PIC16F688 , PIC16F785)
Fixed Programming PIC all
PIC12F675 , PIC16F676 , PIC16F684 ,PIC16F767 , PIC16F74 , PIC16F872 , PIC16F876 , PIC16F877 ,
PIC16F876A , PIC16F873A, PIC16F819
PIC16F84 , PIC16F84A , PIC16F628, PIC16F628A,
eprom PIC12C509JW , PIC16C505JW , PIC16C711JW , PIC16CE625JW , PIC18F458 , PIC18F4320 ,
PIC18LF258 , PIC18F4539 , PIC18F4431

Atmel Flash Memory

AT29C256 , AT29C512 , AT29C010A , AT29C020 , AT29C040 , AT29C040A
W29EE512 , W29EE011 , W29EE012 , W29C020(128) , W29C040 , PH29EE010(W29EE011)
ASD AE29F1008 (AT29C010), AE29F2008 (AT29C020)
Ver 0.992 up(DOS). Can run under win9x
(disable prog. CPUIdle or CPUCool) AT49BV512

Atmel Flash Memory
AT49Fxxx (Subset 29Fxxx)

Command seq. 5555/AA, 2AAA/55, 5555/A0
AT49F512 , AT49F010 , AT49F020 , AT49F040 , SST39SF010 , SST3S9F020 , SST39SF040 , AT49F001 , AT49F002 , AT49F008A
Command seq. 555/AA, 2AA/55, 555/A0
Am29F512 , Am29F010 , Am29F020 , Am29F040 , HY29F080 , 29F002 , 29F002T , Pm29F002T

Serial Peripheral Interface (SPI)
EEPROM Mode0 (0,0)
AT25xxx, W95xxx

[Atmel] AT25010 , 020 , 040 (A8-A0)

AT25080 , 160 , 320 , 640 , 128 , 256 (A15-A0)
[ST] W95010....256, Microchip 25×010 — 25×640
— Byte programming
25010 , 25020 , 25040
— Page programming
25C080 , 25C160 , 25C320 , 25C640 , 25C128 , 25C256 , 25C512
AT25HP256 , AT25HP512 , M25P10 , M25P20 , M25P40
AT25HP1024 (24bit address)
— CAT64LCxxx (16bit DATA IN/OUT) use Socket 93Cxxx
CAT64LC010, CAT64LC020, CAT64LC040

Atmel EEPROM

AT28C256 , AT28C010 , AT28C040

Nonvaltile SRAM (DS12xx)

DS1220 , DS1225Y , DS1230Y/AB , DS1245Y/AB , DS1249Y/AB

static RAM (Test RAM)

6116 , 6264 , 62256 , 62512 , 628128

EPROM winbond,SST
Electrical Erase Chip

W27E512 , W27E010 , W27C010 , W27C020 , W27C040
SST27SF256 , SST27SF512 , SST27SF010 , SST27SF020
MX26C4000
Vcc = 3.3-3.6V SST37VF512 , SST37VF010 , SST37VF020 , SST37VF040

Flash Memory SST , Sanyo

SST28SF040A , LE28F4001

Программатор Willem EROM Programmer **может поддерживать микроконтроллеры при**

использовании со специапльными адаптерами (**Адапетры не идут в комплете**) !! :

PLCC 32 to DIP 32 AdapterPLCC 32 (with socket) to DIP 32, 28 Adapter (3-in-1)

EEPROM : PLCC Chip
29C512 , 29C010 , 29C020 , 29C040 , 28C512 , 28C010 , 28C020 , 28C040
EPROM : PLCC Chip
27C010 , 27C020 , 27C040 , 27C080
Flash memory : PLCC Chip
28F512 , 28F010 , 28F020 , 28F040 , 28F001 , 28F002 , 28F004 , 28F512 , 28F010 , 28F020 , 28F040 , 28F001 , 28F002 , 28F004
29C512 , 29C010 , 29C020 , 29C040 , 29C001 , 29C002 , 29C004 , 29F512 , 29F010 , 29F020 , 29F040 , 29F001 , 29F00 , 29F004
49F512 , 49F010 , 49F020 , 49F040 , 49F001 , 49F002 , 49F004
Support chip 3.3V(27LVxx , 29LVxx , 28FxxxB3) by select jumper on adapter

PLCC 32 to DIP 28 Adapter PLCC 32 (with socket) to DIP 32, 28 Adapter (3-in-1)

EEPROM : PLCC Chip
29C16A , 29C64 , 29C128 , 29C256 , 28C16A , 28C64 , 28C128 , 28C256
EPROM : PLCC Chip
27C64 , 27C128 , 27C256 , 27C512
Flash memory : PLCC Chip
28F64 , 28F128 , 28F256 , 29C64 , 29C128 , 29C256 , 39F64 , 39F128 , 39F256 , 49F64 , 49F128 , 49F256

PLCC 32 Firmware HUB / LPC AdapterPLCC 32 (with socket) to DIP 32, 28 Adapter (3-in-1)

Flash memory : PLCC Chip
82802AB , 82802AC , SST49LF002 , SST49LF003 , SST49LF004 , SST49LF008 , AT49LW040
AT49LW080 , SST49LF002A , SST49LF003A , SST49LF004A
LPC : PLCC Chip
SST49LF020 , SST49LF030 , SST49LF040 , SST49LF080 , W49V002A , W39V040A , PT49V004

P28F002BC (DIP 40) Adapter

Flash memory : DIP Chip (BOOT BLOCK FLASH MEMORY)
P28F002BC

TSOP 32 (14 mm,20 mm) to DIP 32 AdapterTSOP 32, 40, 48 (with socket) Adapter (5-in-One)

SOP 28 (14 mm) to DIP 28 Adapter

EEPROM : TSOP Chip
28C512 ,28C010 ,28C020 ,28C040
29C512 ,29C010 ,29C020 ,28C040
EPROM : TSOP Chip
27C010 ,27C020 ,27C040 ,27C080
Flash memory: TSOP Chip
28F512/010/020/040/001/002/004 ,29C512/010/020/040/001/002/004 ,SST39VF020
29F512/010/020/040/001/002/004 ,39F512/010/020/040/001/002/004 ,SST39VF020
49F512/010/ 020/040/001/002/004 ,SST39VF020
Support chip 3.3V(27LVxx , 29LVxx , 28FxxxB3) by select jumper on adapter

EEPROM : TSOP Chip
28C16A , 28C64 , 28C128 , 28C256 , 29C16A , 29C64 , 29C128 , 29C256
EPROM : TSOP Chip
27C64 , 27C128 , 27C256 , 27C512
Flash memory: TSOP Chip
29F64 , 29F128 , 29F256 , 39F64 , 39F128 , 39F256 , 49F64 , 49F128 , 49F256
Support chip 3.3V(27LVxx , 29LVxx , 28FxxxB3) by select jumper on adapter

SMD 24Cxx, 93Cxx Adapter

EEPROM : SMD Chip
24C02 , 24C04 , 24C08 , 24C16 , 85C72 , 85C82 , 85C92 , 24C32 , 24C64 , 24C128 , 24C256 , 24C512
Flash memory: SMD Chip
AT29C256 , AT29C512 , AT29C010A , AT29C020 , AT29C040 , AT29C040A , W29C020(128) , W29C040

PSOP 44 to DIP 32 Adapter

Flash memory: PSOP Chip
29F400 , 28F800 , 28F200 , 28F400 , 28F800

MCS 51 / AVR + PLCC44 Adapter Version.2 New!!!

Atmel Auto Select
AT89C51 , AT89C52 , AT89C55 , AT89LV51 , AT89LV52 , AT89LV55 , AT89S8252(8K+2K)
AT89S53 , AT89LS8252 , AT89LS53 , AT89C1051 , AT89C2051vAT89C4051 (20pin)
AT89C51RC (32KB)vAT89C55WD (6.2V) , SST89C54/58 , SI89C52
Intel Auto Select
i87C51 , i87C51FA , i87C51FB , i8xC51 , i8xC52 , 8xC54 , i8xC58 (tWP = 100uS*25 Pulse)

Atmel AVR 8-bit RISC AT90Sxxx (Parallel programming)
(read , write , erase , verify , checkempty , Lockbits , Fusebits) [Flash memory / EEPROM]
AT90S1200 , AT90S2313 , 90S2333 , 90S4433 , 90S4414 , 90S8515 , 90S4434 , 90S8535

MCS 48 Adapter1

ROM (read/verify)
P8048AH , P8049AH , P8050AH , P8042AH Vea = 12V , P8041 , P8042
OTP (read/verify/Progam)
P8748 , P8749H , P8742H Vea = 18V
EPROM (read/verify/Progam)
D8748 , D8749 , D8742 , D8741 , D8742 Vea = 18V

TSOP 32, 40, 48 (with socket) Adapter (5-in-One)

FLASH memory 8/16bit (Software Data Protection)
Am29F400 , Am29F800 , 29F160 29F320 (read , write byte mode) , HY29F200
HY29F400 , AT49F2048A , HY29F800 , AT49F2048A , AT49F4096A , AT49F8192A
FLASH memory 8/16bit (Vpp12V) (Software Data Protection)
i28F200 , i28F400 , i28F800 , i28F160 (TSOP48) , 28F001(DIP32 or PLCC32)
29LV200 , 29LV400 , 29LV800 , 29LV160 , 29LV320 (read,write byte mode)
TSOP40A
MBM29LV002TA/BA , MBM29LV004 , MBM29LV008 , MBM29LV017 , MBM29LV080 , MBM29F002ST/SB , MBM29LV016 , Am29LV004 , Am29LV002 , 29LV008
TSOP40B
MBM29F017A , MBM29F016A , MBM29F080 , 28F008SA , 29F004S5 , Am29F080 , Am29F016B , Am29F016 , Am29F017B , Am29F065MU

EPROM 16bit (DIP40) (1-4Mbit) Adapter Eprom 16bit Eprom only

27C1024 , 27C210 , 27C2048 , 27C2002 , 27C4096 , 27C4002
Schematic by Toomas Toots (read , Program byte mode by use Resister pull up Data Bus (0xFF) , A0 select low or high byte)

SOIC8(Surface-mount) to DIP8 AdapterSOIC8(with socket 150&209mil) to DIP8 Adapter

Support :
24Cxxx , 93Cxxx , PIC12xxx , 25xxx

Комплектация: