

# The FunCard Programmer

It took a while but here it is.

Also this programmer can be buildt in several ways. You can make a simple one with only the three resistors (R1,R2 and R3) and one socket (40DIP, 20DIP or Smart cardsocket).

The best is to mount all the components on the card since it's not to expensive. Be carefull when mounting diod D1.

## Components list:

R1,R2,R3	220 $\Omega$
R4	470 $\Omega$
D1	5.1 Volt Zenerdiod (don't use any other values!)
D2	Green LED (Light Emitting Diod)
C1	4.7 $\mu$ F/16Volt Capacitor (this one can be left out)
IC1	40pin socket
IC2	20pin socket
P1	25pin DSUB (male)
P2	Smartcard Socket

When building the programmer, take it easy, then everything will go just fine.

The design should not be able to damage the parallell port on the computer. I will however not be held responsible if you the user, do something wrong.

The program that is supplied here is just temporary. The real one will come soon. It will be a Windows 95/98/NT (and later maybe also Linux) userfriendly program. Meanwhile, use the dos-based program included in this zip-file.

God luck.

Ps. I did not include gerber files in this version because a new optimised versions for manufacturing will come later. Ds.





