

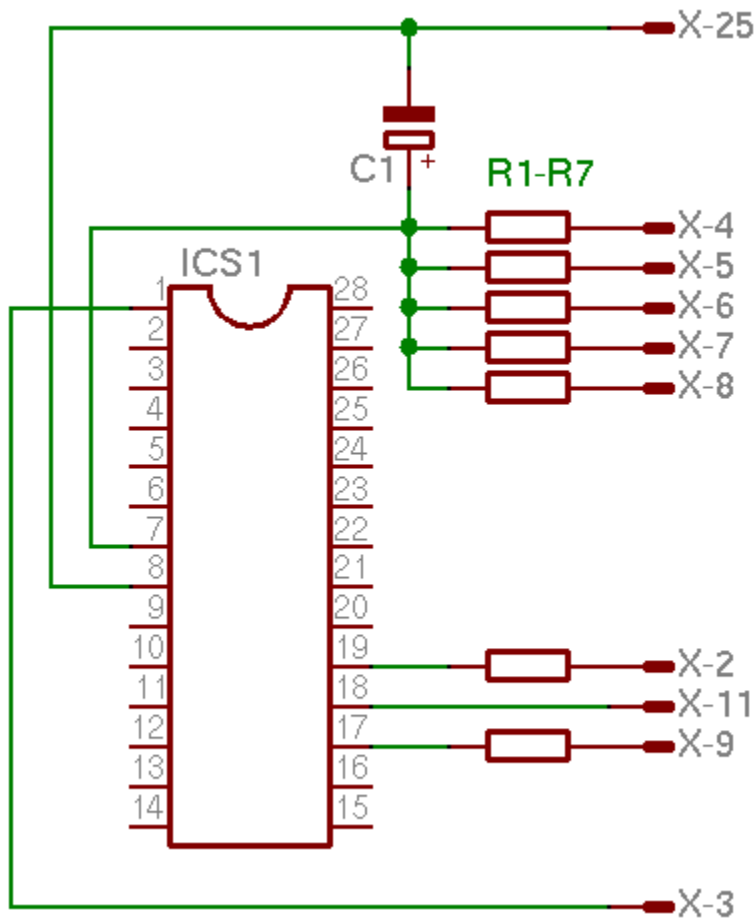
Programmer

From Chiip-Wiki

Building the programmer

We will now build a programmer called SP12

. The advantage of this programmer is that you don't need any external power supply because it's powered by the parallel port.



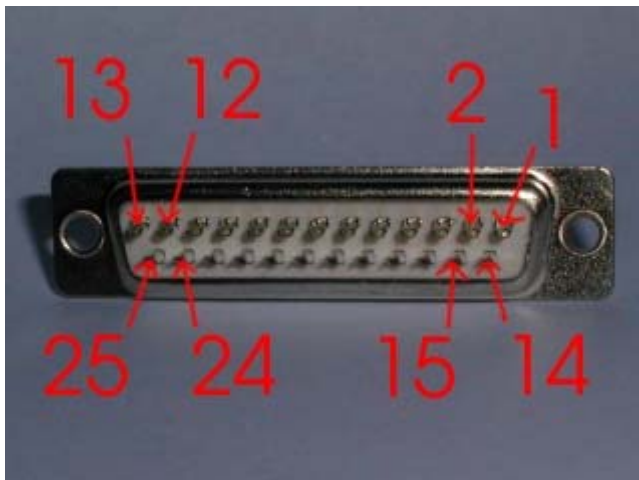
This is the schematic of the programmer

X is the D-SUB 25 connector; X-5 for example means pin 5 of the connector

ICS1 is one of the IC sockets - mind the notch!

R1-R7 are the 220 ohm resistors

C1 is the electrolytic capacitor; mind the polarity - there will probably be one side marked with a "-", this side must connect to the GND line on pin 25 on the D-SUB 25 connector



For your help, this is the pin numbering of the D-SUB 25 connector, **looking at the backside (where you have to solder to)**.

I built my own programmer right into a standard D-SUB 25 connector

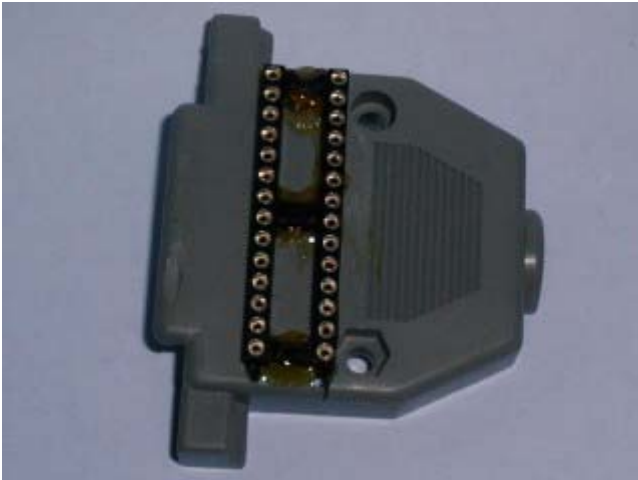
I built my programmer right into a standard D-SUB 25 case.

This step is just to improve the appearance of the programmer, and is a bit fiddly too. Check out the User Pics page to get a few ideas on how others did it, you'll see some very creative ideas!

This is how I did it:



I used a Dremel to cut two large parallel holes into the case, 7.54 mm apart



I placed the IC socket on the case so the pins go through the holes. Then I fixed the IC socket with some glue



I cut off all pins I didn't need



I soldered all wires to the correct pin; this is the programmer right



before I closed the case



And this is how it looks like once the case is closed