

01

MIGNON

Game kit 1.0

PonyProg

www.olafval.de/mignon

02

PLEASE NOTE:

The PonyProg does **not** function with USB to Serial adapters!

If your computer is not fitted with a COM-port, please contact mignon@olafval.de

03

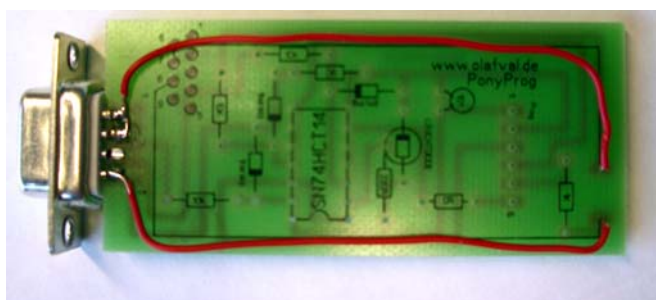
Solder the components to the circuit board by attaching them to the assembly marks. Take care that the Diodes and the SN74HCT14 Chip are correctly wrapped around.

04

The COM-port connector is connected to the side of the circuit board so that the five pins fit on the long pads. This is where it is then soldered. From the four pins on the top that have assembly marks, pins 6 and 7 are soldered together.

05

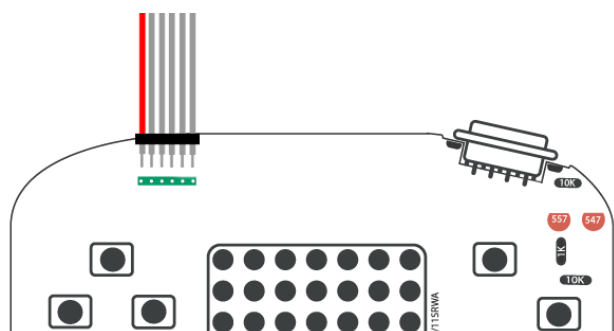
Two cables, located to the left and right of the circuit board, connect pins 6 and 8 with the conductors.



06

Connect the PonyProg adapter with the serial port of the computer and the Prog plug (6 pin) to the Mignon Game. Make sure that the plug of the first cable marked in red is correctly positioned. It has to be placed at the front-left on the first pin.

07



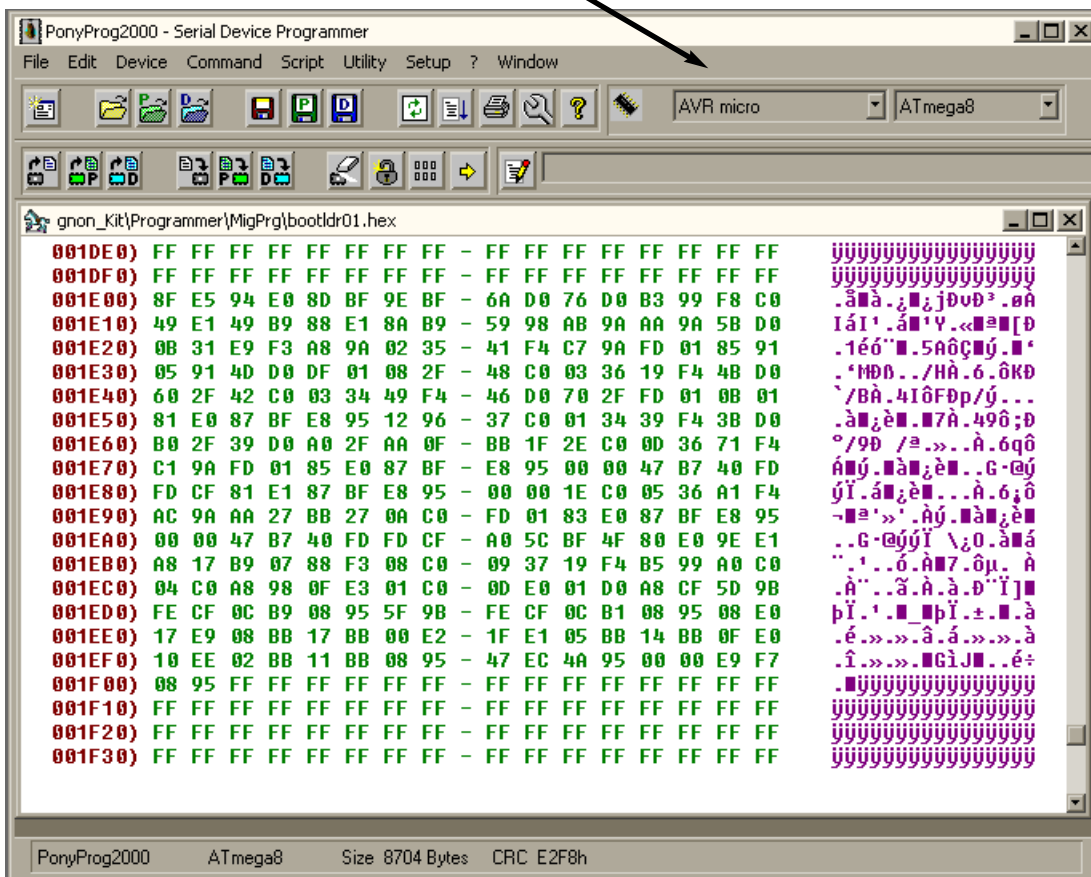
08

It's advisable to reinforce the COM-port connector and the 6 pin connector with hot glue.

The PC programme PonyProg is located in the Mignon CD in the Programmer / Ponyprog folder, or it can be downloaded from the following internet site:

<http://www.lancos.com/prog.html> unter "Download page" Version 2.05

Install the Ponyprog software, open the program and activate both the "AVR micro" and "ATmega8" buttons at top right.



Assign the correct COM-port under "Setup" / "Interface Setup" and perform the "Setup" / "Calibration" function.

Load the Hex data which is installed with the Mignon game (the data type has to be set from .ep2 to .hex). Now you can upload the program under "Command / Write All".

Finally, the only things missing are the "Security and Configuration Bits" which are also located under "Command". So that the Mignon Kit functions, the following three bits need to be set: "CKSEL3", "CKSEL1", "CKSEL0". The last two and the fourth from the top must be selected. In addition, the bits: "BOOTSZ1" und "BOOTRST" have to be set while installing the MignonProg Bootloaders. The security bits are set to the chip with the "Write" command.

