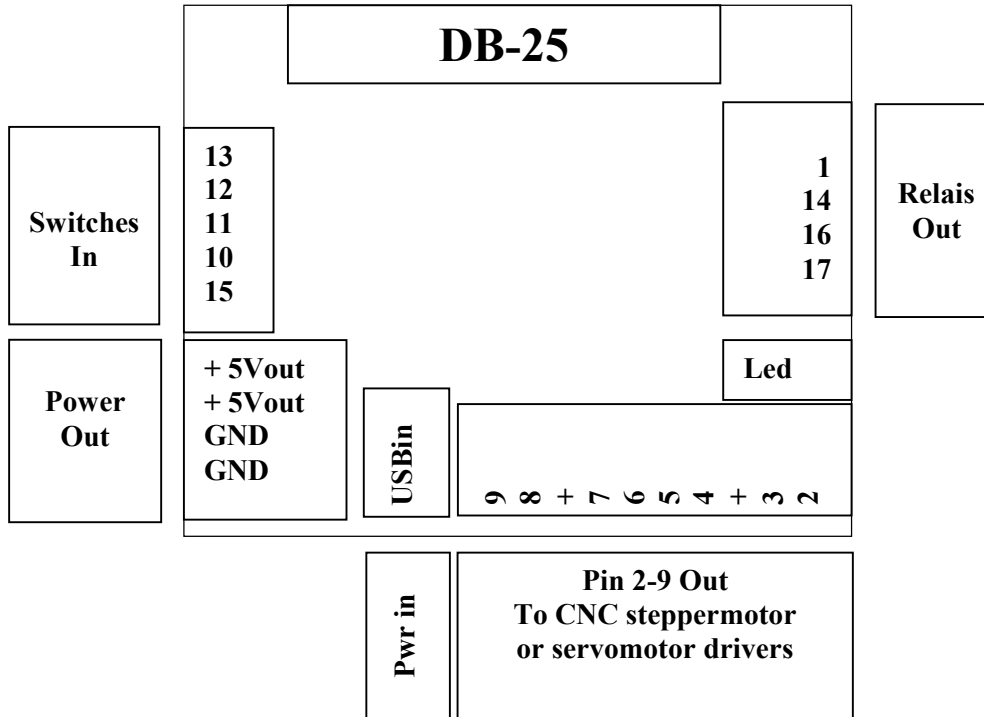


CNC Breakout Board Simple with step and direction

This Simple CNC Breakout board is used to connect an LPT port to one (or more) steppermotor(s) or servomotor(s) in an easy way.



Power input

Power (+5V) is supplied by means of a USB cable. This cable can be connected to either a separate powersupply or to the computer through the USB port. If there is power, the LED will turn on, indicating there is power.

Led

Led will turn on if there is power to the board. (USB input)

DB-25 connector

The DB-25 connector is usually connected to the LPT port of the cnc system.

Switches input connector

The switches (for example home switches) can be connected on this connector. The pins of this connector are connected to pin 10,11,12,13 and 15 of the LPT connector (DB-25).

Step/dir output connector

The drivers of the cnc system are connected to this connector. The contacts are connected to pin 2-9 of the LPT (DB-25) connector.

Relais output

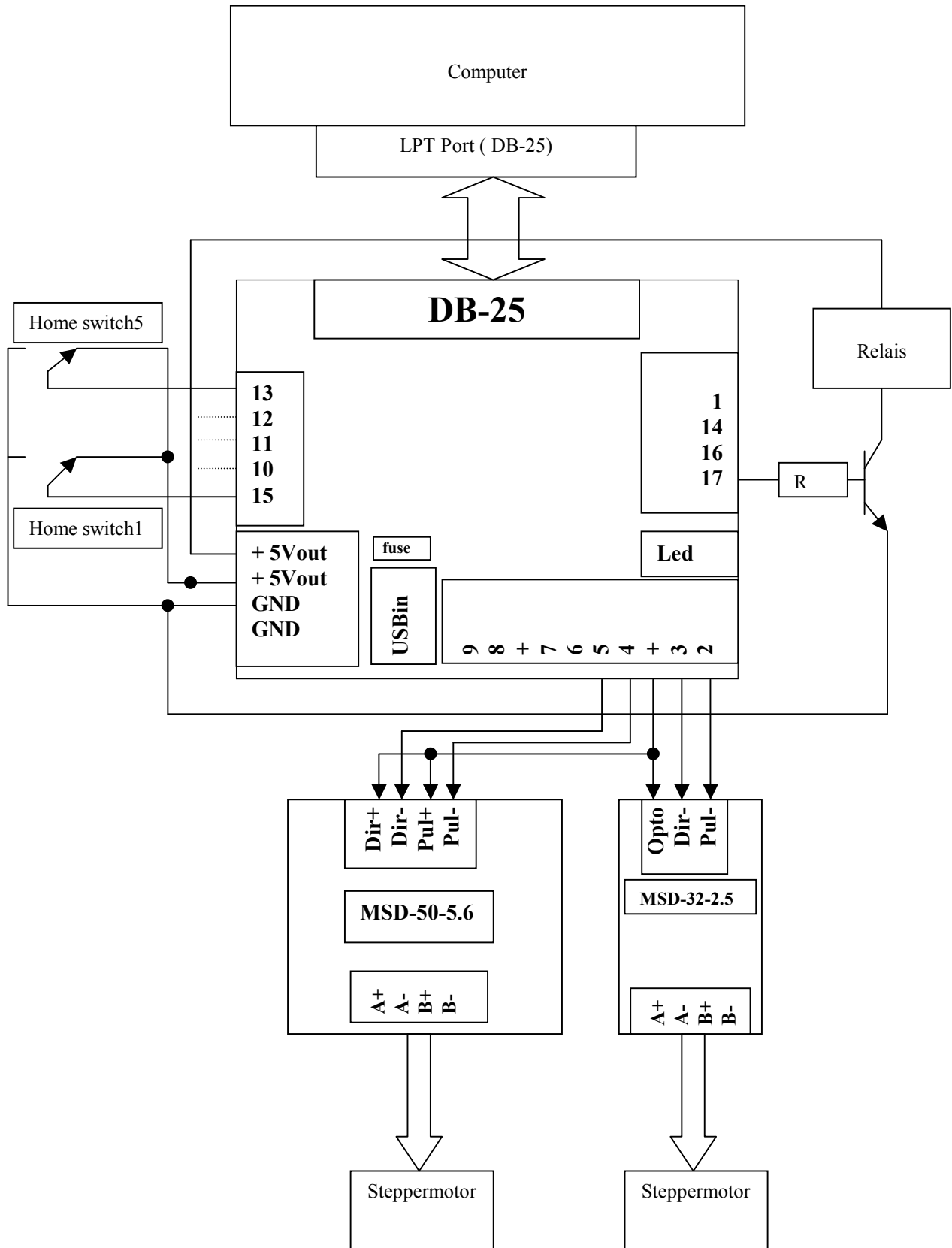
There are 4 output signals that can be used for switching something (for example a relais to turn on a milling motor, or cooling mist)

Power output

This is the output of the GND and +5Vdc of the board. This can be used to power some extra items, like a pulsgenerator of some sort.

CNC connection example

This is an example of how to connect a CNC system to the board. There are of course a lot of different ways to connect a CNC system.



CNC Simpel Breakoutboard V 1.1

Mach 3 configuration matching the above example.

