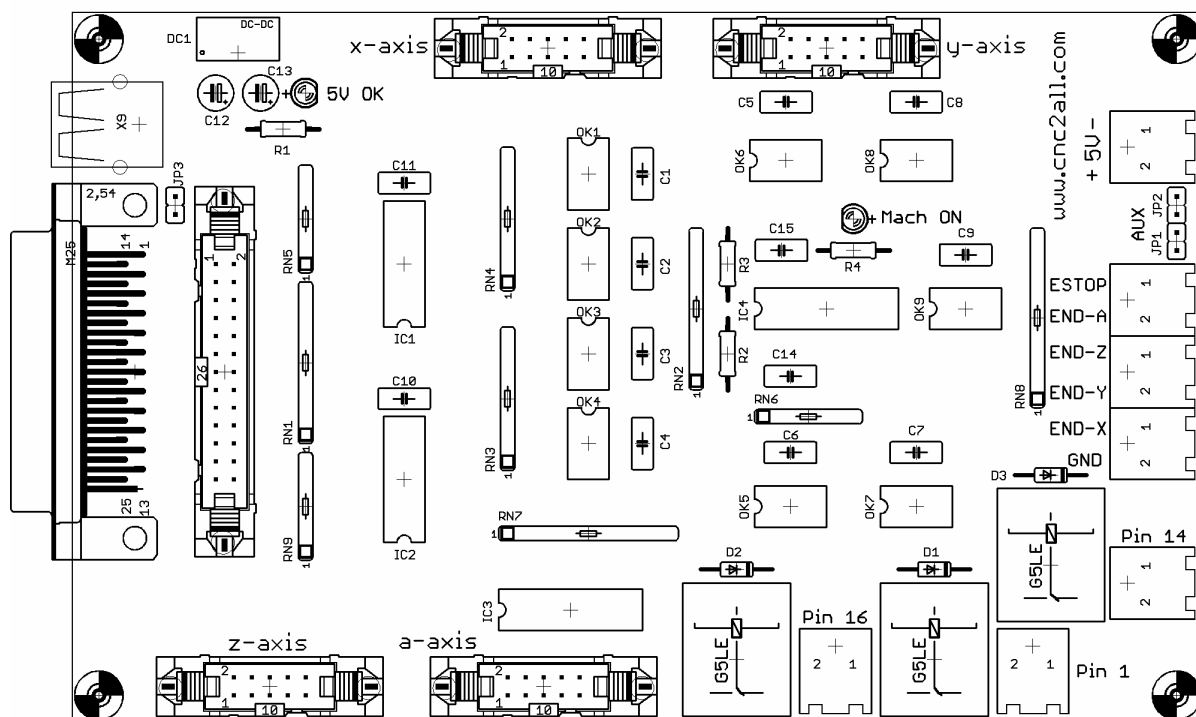


Technical details for the Control/Interface-board

The following pin-numbers of the parallelport is used for:

- 1 Spindle (See relay-output on the boards lower right hand corner)
- 2 X step
- 3 X dir
- 4 Y step
- 5 Y dir
- 6 Z step
- 7 Z dir
- 8 A step
- 9 A dir
- 10 Z End (Home-sensor input, to be connected through for example microswitch to GND)
- 11 E-stop (Emergency stop, to be connected through switch to GND)
- 12 Y End (Home-sensor input, to be connected through for example microswitch to GND)
- 13 X End (Home-sensor input, to be connected through for example microswitch to GND)
- 14 Cool (relay output)
- 15 A End (Home-sensor input, to be connected through for example microswitch to GND)
- 16 Flood (relay output)
- 17 Enable (Charge-pump from Mach 12,5 kHz)
- 18-25 Gnd

Technical details for the Control/Interface-board



The contact marked +5V- should be connected to 5v supply.

Estop,End-A,End-Z,End-Y,End-X shall separately be connected to sensors for example microswitch and then to GND at the lower end of the contact row.

In the lower right hand corner there are three relay outputs for spindle, cooling etc.

The four contacts named a-z axis should be connected by flat cable to the microstepping motor drive. As done so you will not need any 5V supply on the drive.

Contact AUX on the board's upper right hand is an extra in and out via opto-coupler for future use. **Never** close the jumper JP3 because this is only for technical use with ground issues.

The contact on the right of the parallelport is for expansion or for our accessories cable. For those of our customers who have difficulties with placing the board, please use the accessories cable, it makes it possible for you to place the LPT contact where ever you want in a distance of 25 cm.