

CNC V0.6

Circuit revision: 1.0
Source & info: www.HomoFaciens.de

Double H bridge L298N:

InA to Arduino pin 6

InB to Arduino pin 7

InC to Arduino pin 11

InD to Arduino pin 12

Out A + Out B to Motor X

Out C + Out D to Motor Y

2x2 photo detectors: MotX to Arduino pin 2 + 3

MotY to Arduino pin 4 + 5

8738 / H22A3

or
V69435 / TCST 2103

or
V69735 / TCST 2103

Arduino pin 13

2N7000

To router motor

+12V

+5V

GND

Motor X

Motor Y

16kΩ protective
series resistors
close to Arduino
pin 2 - 5

Servo (Z axis):
Control line
to Arduino pin 10

