# Plotter CDROM V 0.6

Source & info: www.HomoFaciens.de

Use the pin header numbers (P1-xx) for wiring up your plotter, no matter what Raspberry Pi version you have!

X-Axis

Y-Axis

Diode 4A

L4940V5

6V

0.1µF

22µF

Servo

Bridges X

Bridges Y

Disable onboard 5V regulator!

Power

CE
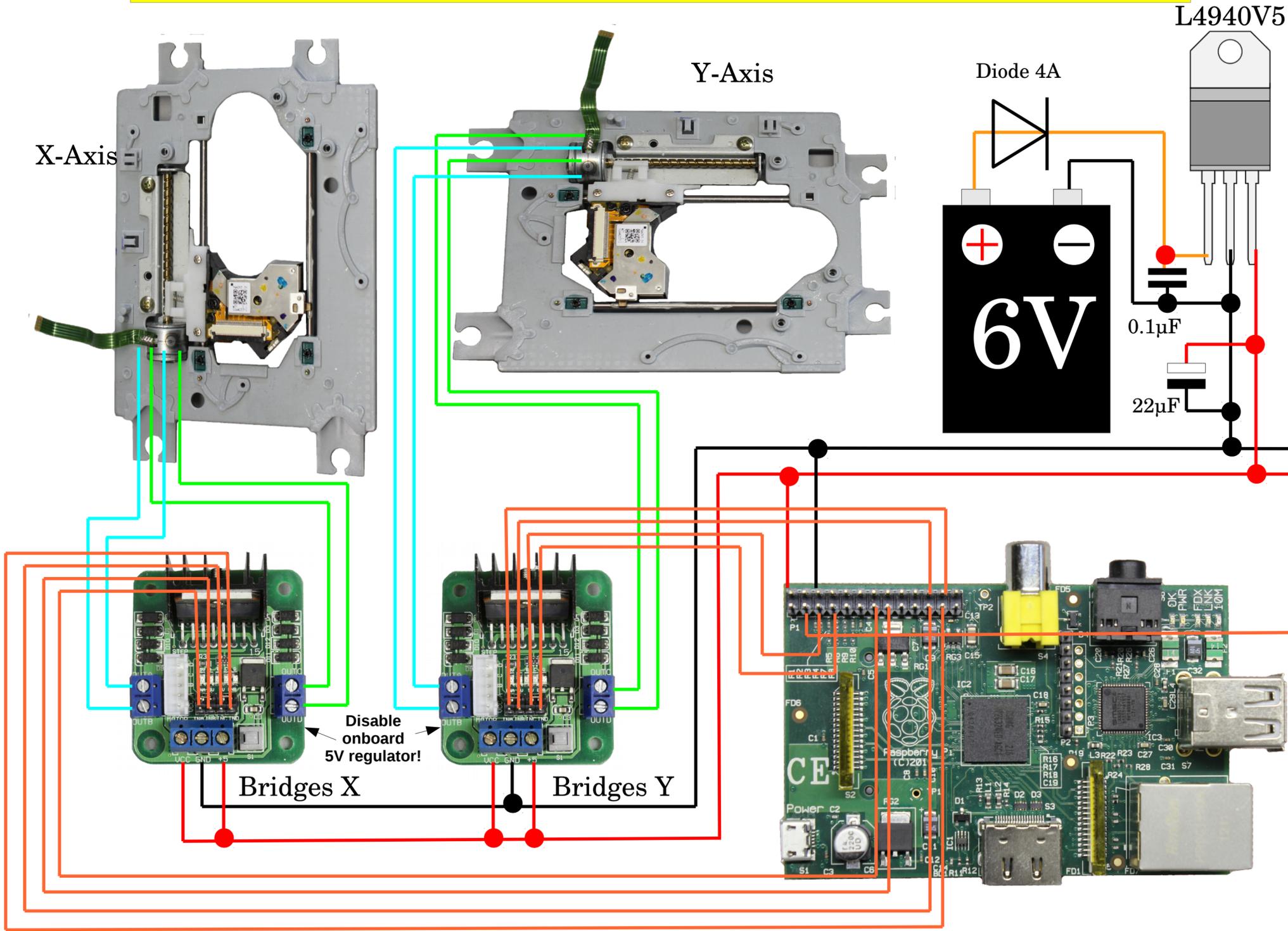
Bridges X:
InA to GPIO 2 = P1-13
InB to GPIO 3 = P1-15
InC to GPIO 13 = P1-21
InD to GPIO 14 = P1-23

Out A + Out B to stepper motor X coil 1
Out C + Out D to stepper motor X coil 2

Connect +5V AND Vcc (sometimes marked +12V)
of the L298N to the +5V line
of the output of the voltage regulator!
Ground to minus of battery.
There is usually a 5V regulator on the L298N boards
 that can be enabled/disabled by a switch or a jumper.
Disable that onboard voltage regulator!

Servo:
 Control line (Orange or white to GPIO 8 = P1-3
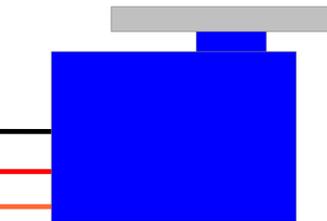
Bridges Y:
InA to GPIO 10 = P1-24
InB to GPIO 6 = P1-22
InC to GPIO 9 = P1-5
InD to GPIO 7 = P1-7

Out A + Out B to stepper motor Y coil 1
Out C + Out D to stepper motor Y coil 2

Connect +5V AND Vcc (sometimes marked +12V)
of the L298N to the +5V line
of the output of the voltage regulator!
Ground to minus of battery