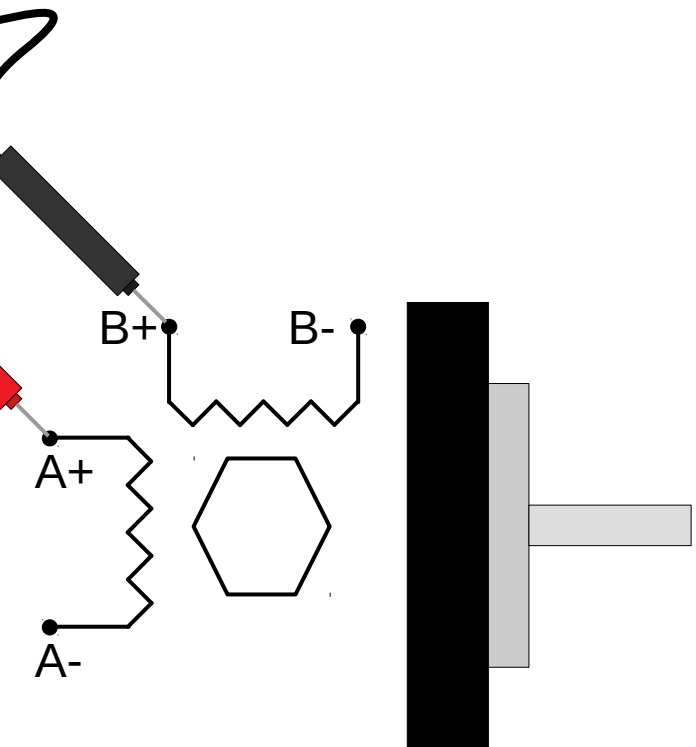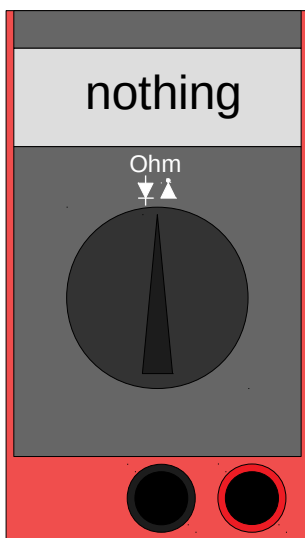EN
DINA4
V1.0

Connecting the motors to our CNC controller
- **Find the right cables**

Multimeter

Peep !!!
found !!!

Ohm

V

B+   B-

A+

A-

nothing

Ohm

X

B+   B-

A+

A-

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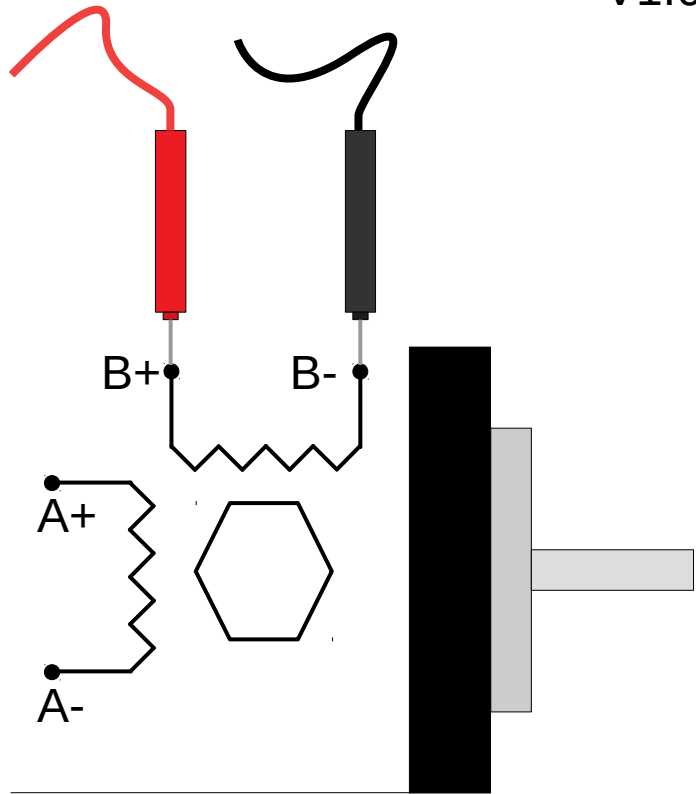
Connecting the motors to our CNC controller
- **Change direction of rotation**

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Clockwise

Counterclockwise

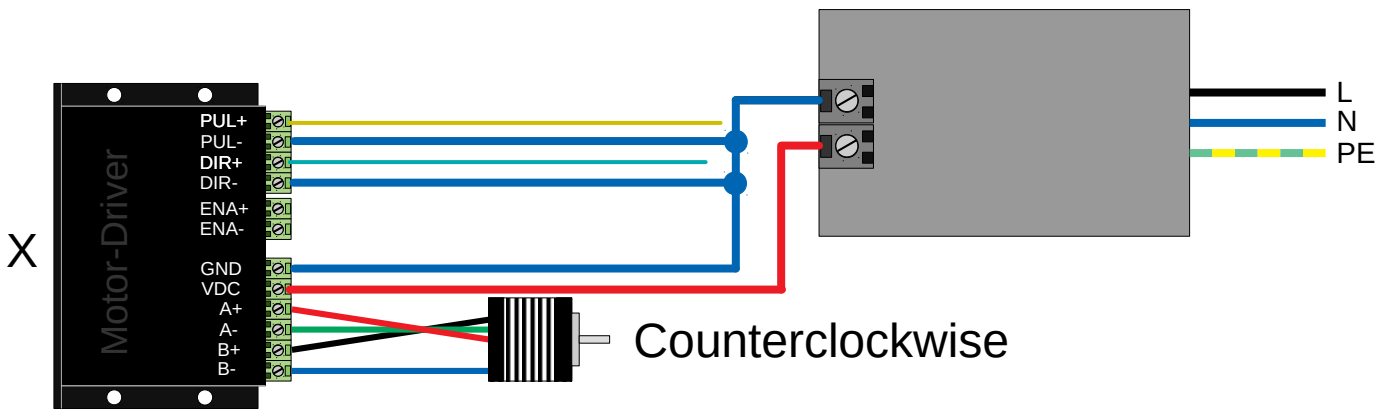© 2019 ArduinoClub

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Connecting the motors to our CNC controller
- **One motor per axis**

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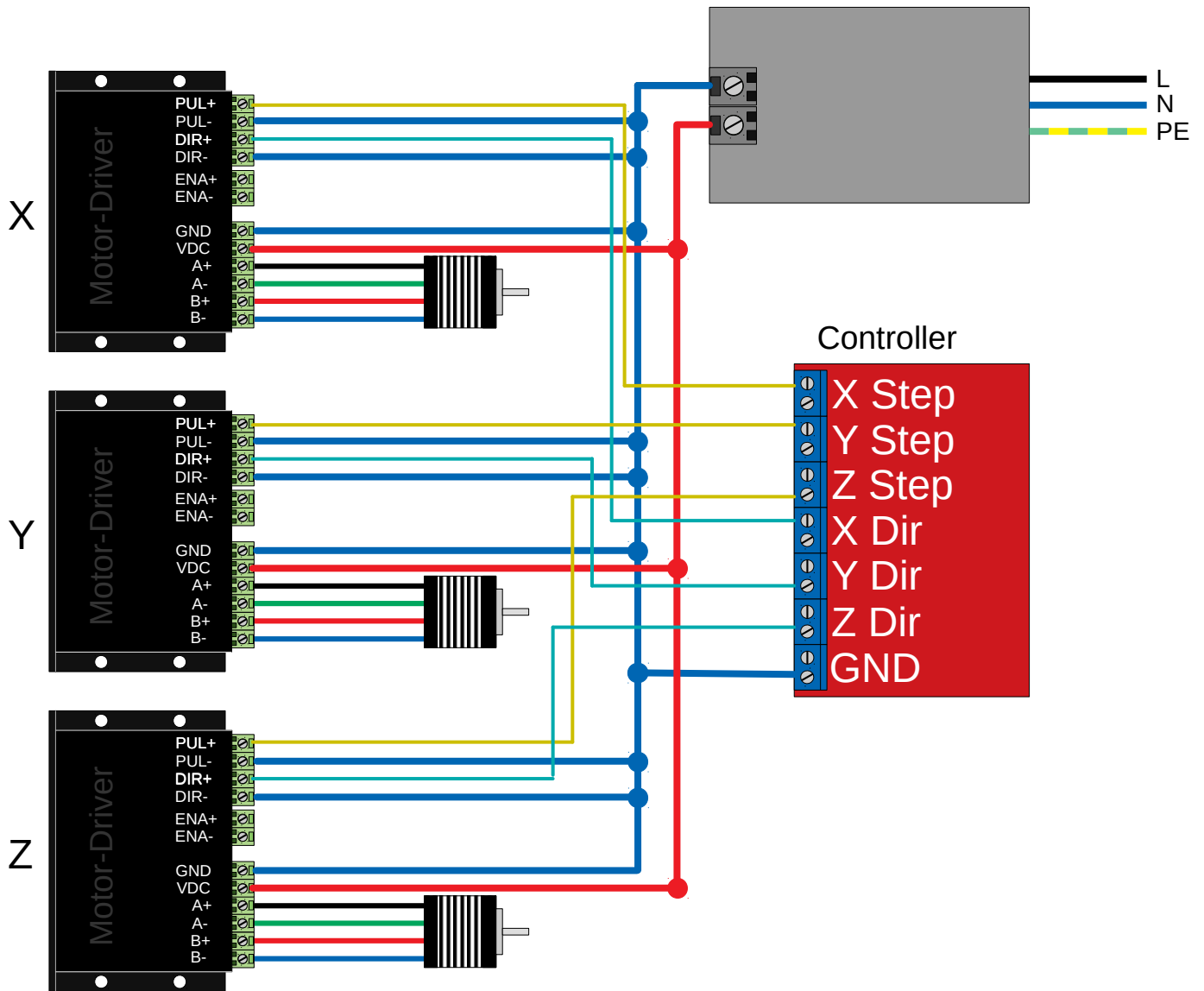
Connecting the motors to our CNC controller
- **Two motors on one axis (eg. Z, Z1)**
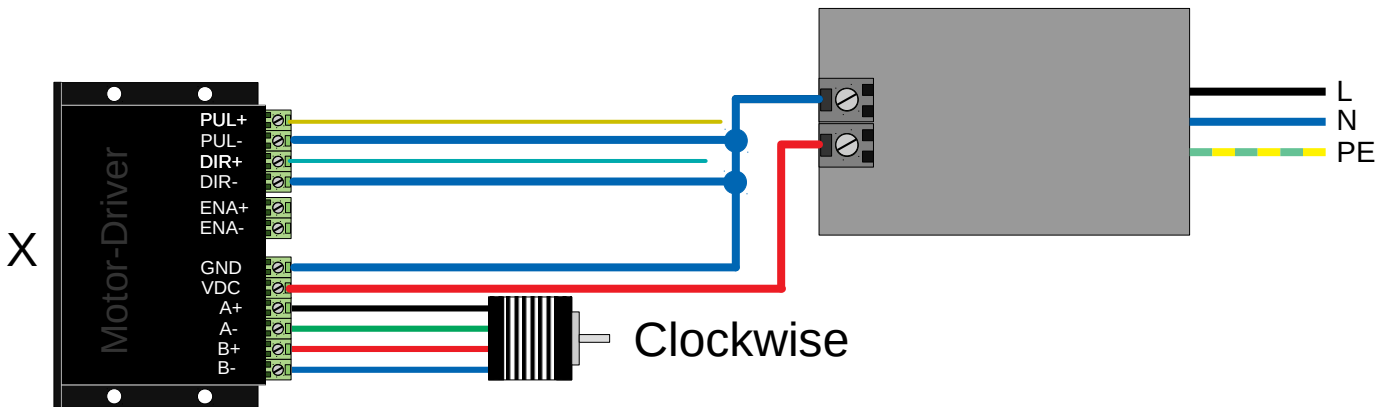
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DINA4
V1.0
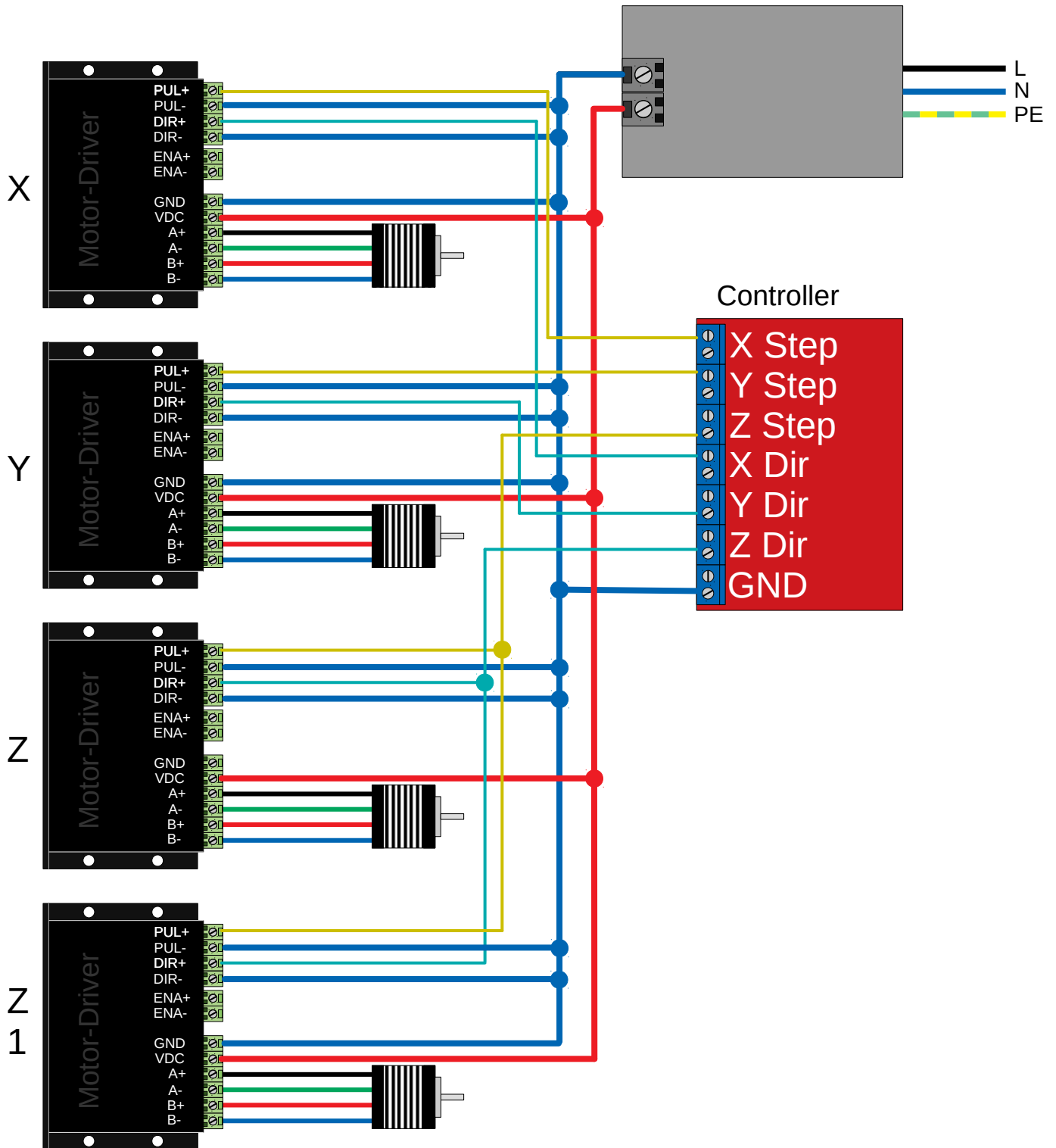
Connecting the motors to our CNC controller
- **Two motors on one driver (parallel)**

eg. OUT
MIN:
12V

L
N
PE

Motor-Driver
X

PUL+
PUL-
DIR+
DIR-
ENA+
ENA-
GND
VDC
A+
A-
B+
B-

eg. Out:
3,6A
5V

Controller

X Step
Y Step
Z Step
X Dir
Y Dir
Z Dir
GND

1,8A
5V

1,8A
5V

A+
A-
B+
B-

A+
A-
B+
B-

A+
A-
B+
B-

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EN
DINA4
V1.0
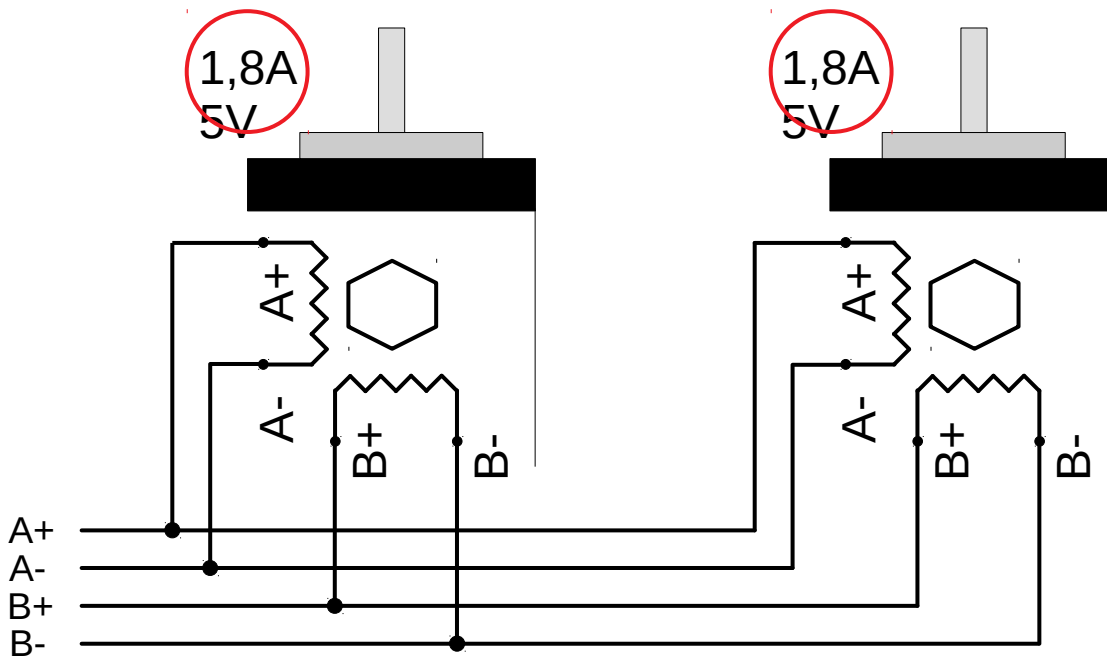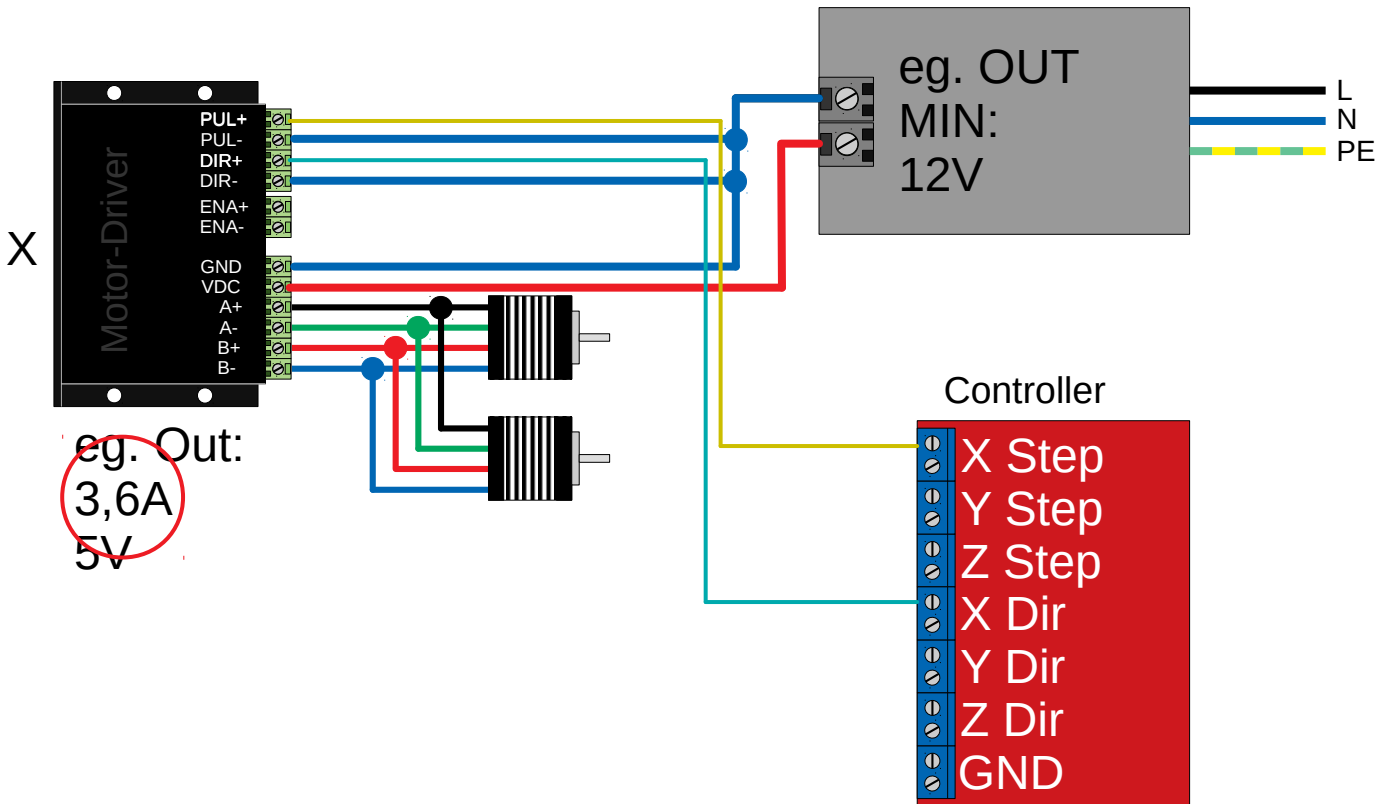
Connecting the motors to our CNC controller
- **Two motors on one driver (serial)**

eg. OUT
MIN:
24V

L
N
PE

X

Motor-Driver

PUL+
PUL-
DIR+
DIR-
ENA+
ENA-
GND
VDC
A+
A-
B+
B-

eg. Out:
1,8A
20V

Controller

X Step
Y Step
Z Step
X Dir
Y Dir
Z Dir
GND

1,8A
10V

1,8A
10V

A+
A-
B+
B-

A+
A-
B+
B-

A+
A-
B+
B-

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