**Koppling**

|  |  |  |
| --- | --- | --- |
| Step - up |  | Motorkort |
| Out + | grön | +12 V |
| gnd | vit | gnd |
|  |  |  |
| Motorkort |  | Spänningsregulator |
| +12 V | Orange | Input |
|  |  |  |
| Motorkort |  | nodemcu |
| In 3 | röd | D2 |
| In 4 | brun | D1 |
| Enable | grå | D3 |
| Gnd | grön | Gnd |
| spänningsregulator |  | Servo, nodemcu |
| gnd | vit | gnd |
| Output | grå | Vin(nodemcu) |
| Output | gul | Input |
|  |  |  |
| Nodemcu |  | Lasersensor 1, Lasersensor 2, servo |
| V | svart | Vin(lasersensor1) |
| V | grön | Vcc |
| gnd |  | Gnd(alla) |
| D8 | grön | SCL(lasersensorerna) |
| D7 | gul | SDA(lasersensorerna) |
| SD3 | lila | XSHUT(lasersensor 2) |
| D0(A0) | lila | XSHUT(lasersenor 1) |
| D8 | vit | Enable(servo) |