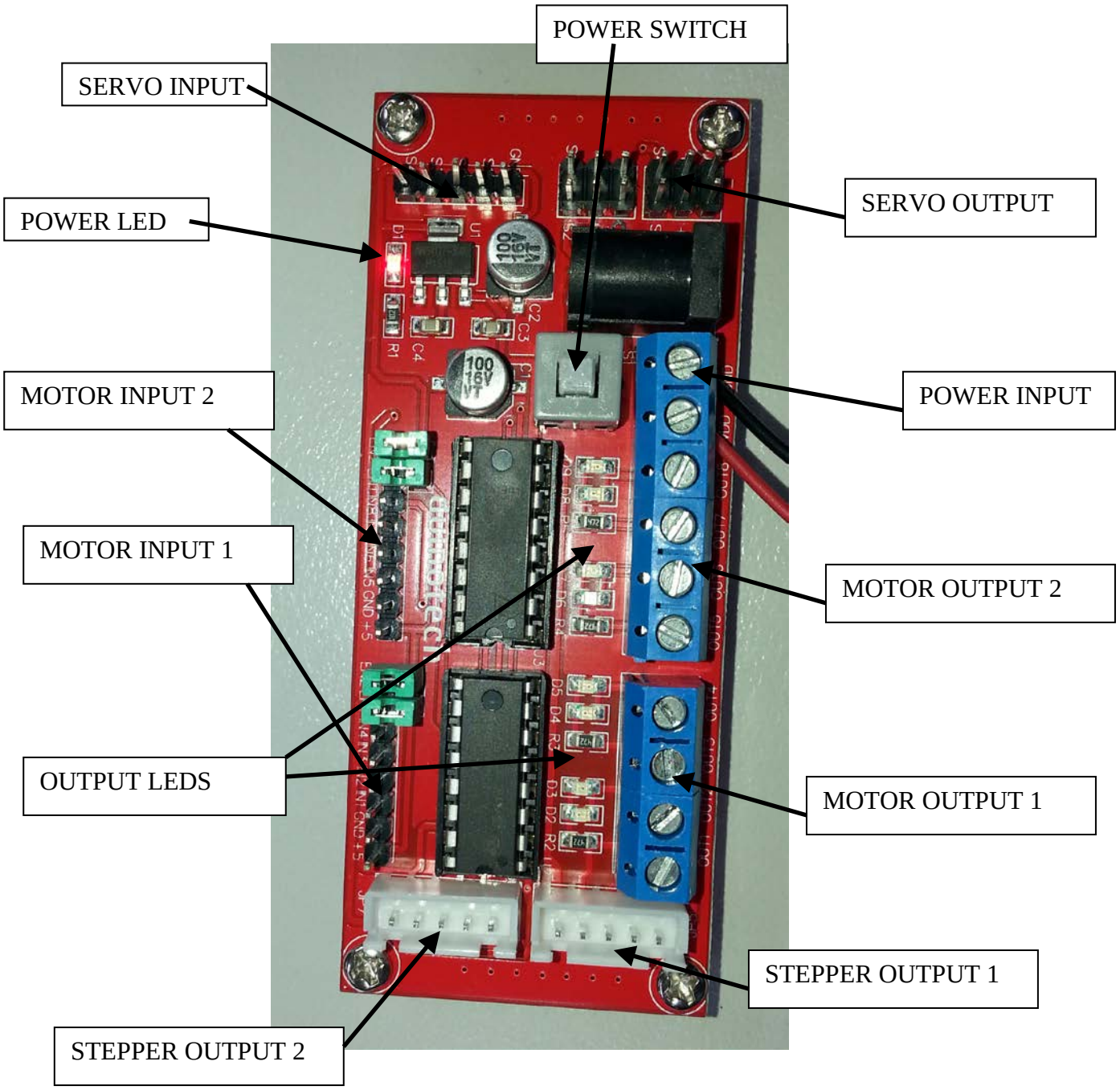
XC4460 Connections:



Servo Input:

Board Connection	Arduino Connection	Function
GND	GND	Ground connection
S1	Digital servo pin	Signal for Servo 1
S2	Digital servo pin	Signal for Servo 2
S3	Digital servo pin	Signal for Servo 3
S4	Digital servo pin	Signal for Servo 4

Motor input 1:

Board Connection	Arduino Connection	Function
+5	5V	Power (can be fed to Arduino)
GND	GND	Ground connection
IN1	Digital pin	Control for OUT1
IN2	Digital pin	Control for OUT2
IN3	Digital pin	Control for OUT3
IN4	Digital pin	Control for OUT4
EN1	PWM pin (or jumper)	Enable for OUT1 and OUT2
EN2	PWM pin (or jumper)	Enable for OUT3 and OUT4

Motor input 2:

Board Connection	Arduino Connection	Function
+5	5V	Power (can be fed to Arduino)
GND	GND	Ground connection
IN5	Digital pin	Control for OUT5
IN6	Digital pin	Control for OUT6
IN7	Digital pin	Control for OUT7
IN8	Digital pin	Control for OUT8
EN1	PWM pin (or jumper)	Enable for OUT5 and OUT6
EN2	PWM pin (or jumper)	Enable for OUT7 and OUT8

Output LEDs:

LED	Output
D2	OUT2
D3	OUT1
D4	OUT4
D5	OUT3
D6	OUT6
D7	OUT5
D8	OUT8
D9	OUT7

Motor Output 1:

Board Connection	Motor Connection	Function
OUT1	Motor 1+	Motor 1 forward
OUT2	Motor 1-	Motor 1 backward
OUT3	Motor 2+	Motor 2 forward
OUT4	Motor 2-	Motor 2 backward

Motor Output 2 and Power Input:

Board Connection	Motor Connection	Function
OUT1	Motor 1+	Motor 1 forward
OUT2	Motor 1-	Motor 1 backward
OUT3	Motor 2+	Motor 2 forward
OUT4	Motor 2-	Motor 2 backward
VDD	N/A	Positive supply into board
GND	N/A	Negative supply into board

Stepper 1:

Board (from left)	Stepper Connection	Function
1	Common	Common
2	Phase 1	OUT3
3	Phase 2	OUT4
4	Phase 3	OUT2
5	Phase 4	OUT1

Stepper 2:

Board (from left)	Stepper Connection	Function
1	Common	Common
2	Phase 1	OUT7
3	Phase 2	OUT8
4	Phase 3	OUT6
5	Phase 4	OUT5

Servo Output:

The + on these headers is fed straight from the power input, and not through the regulator. Eg If you feed 9V into the board, servos connected to this header will receive 9V.

JST Header	Servo
S1 + -	Servo 1
S2 + -	Servo 2
S3 + -	Servo 3
S4 + -	Servo 4