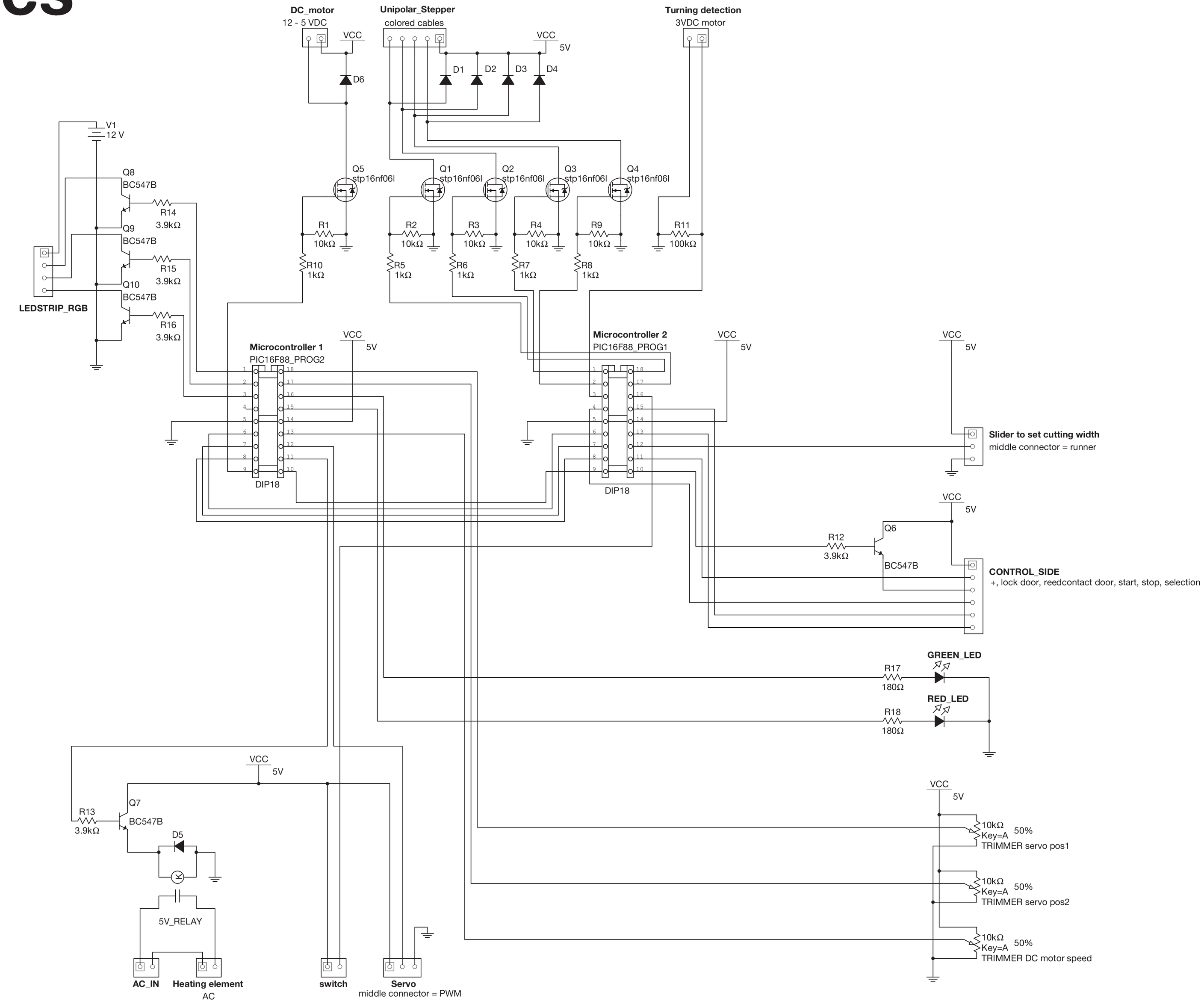
Schematics


DC_motor
12 - 5 VDC
VCC
D6
Unipolar_Stepper
colored cables
VCC
5V
D1
D2
D3
D4
Turning detection
3VDC motor
V1
12 V
Q8
BC547B
R14
3.9kΩ
Q9
BC547B
R15
3.9kΩ
Q10
BC547B
R16
3.9kΩ
LEDSTRIP_RGB
Q5
stp16nf06l
Q1
stp16nf06l
Q2
stp16nf06l
Q3
stp16nf06l
Q4
stp16nf06l
R1
10kΩ
R2
10kΩ
R3
10kΩ
R4
10kΩ
R9
10kΩ
R11
100kΩ
R10
1kΩ
R5
1kΩ
R6
1kΩ
R7
1kΩ
R8
1kΩ
Microcontroller 1
PIC16F88_PROG2
DIP18
Microcontroller 2
PIC16F88_PROG1
DIP18
Slider to set cutting width
middle connector = runner
R12
3.9kΩ
Q6
BC547B
CONTROL_SIDE
+, lock door, reedcontact door, start, stop, selection
GREEN_LED
R17
180Ω
RED_LED
R18
180Ω
R13
3.9kΩ
Q7
BC547B
D5
5V_RELAY
AC_IN
Heating element
AC
switch
Servo
middle connector = PWM
10kΩ
Key=A
50%
TRIMMER servo pos1
10kΩ
Key=A
50%
TRIMMER servo pos2
10kΩ
Key=A
50%
TRIMMER DC motor speed