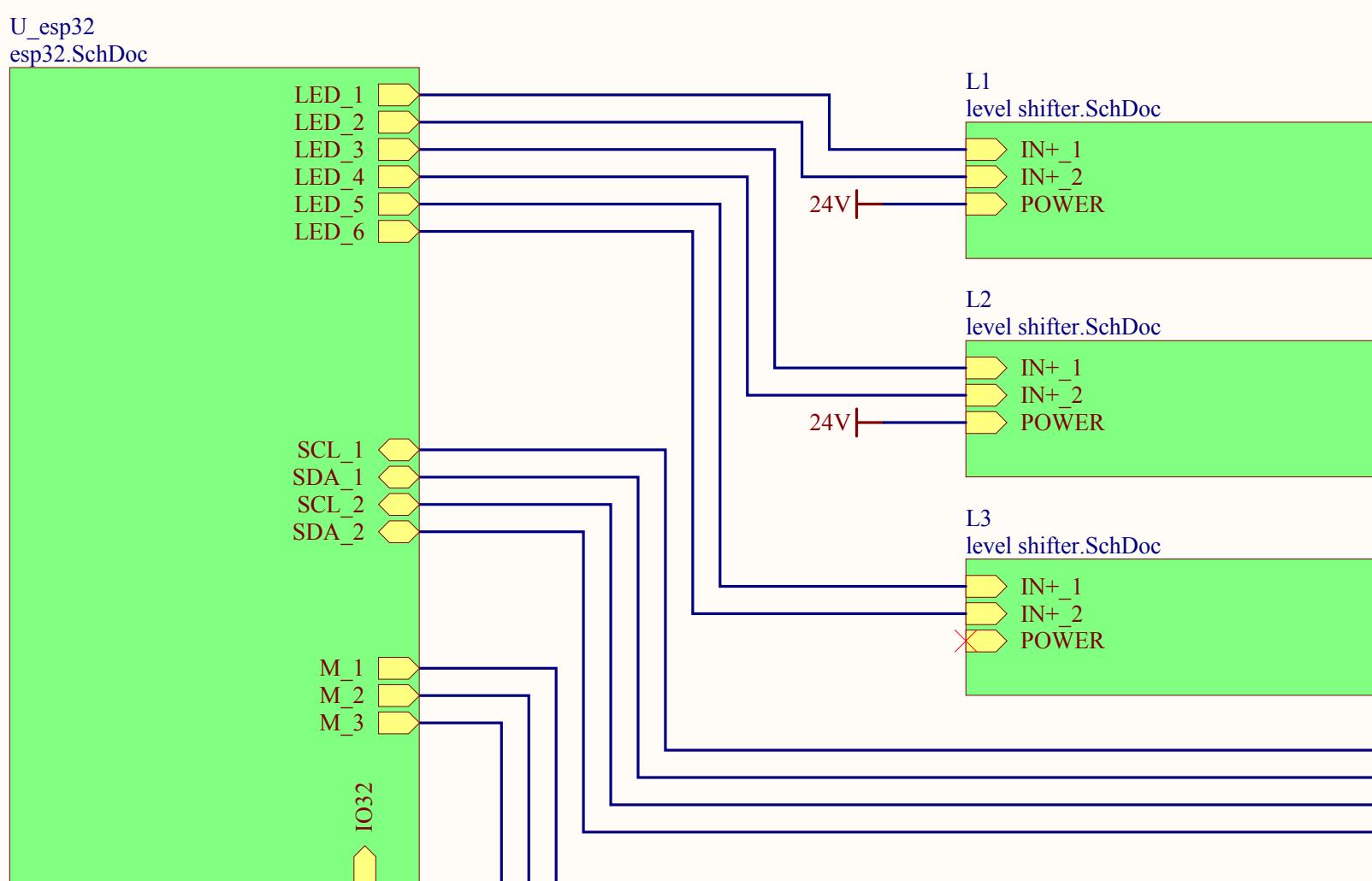
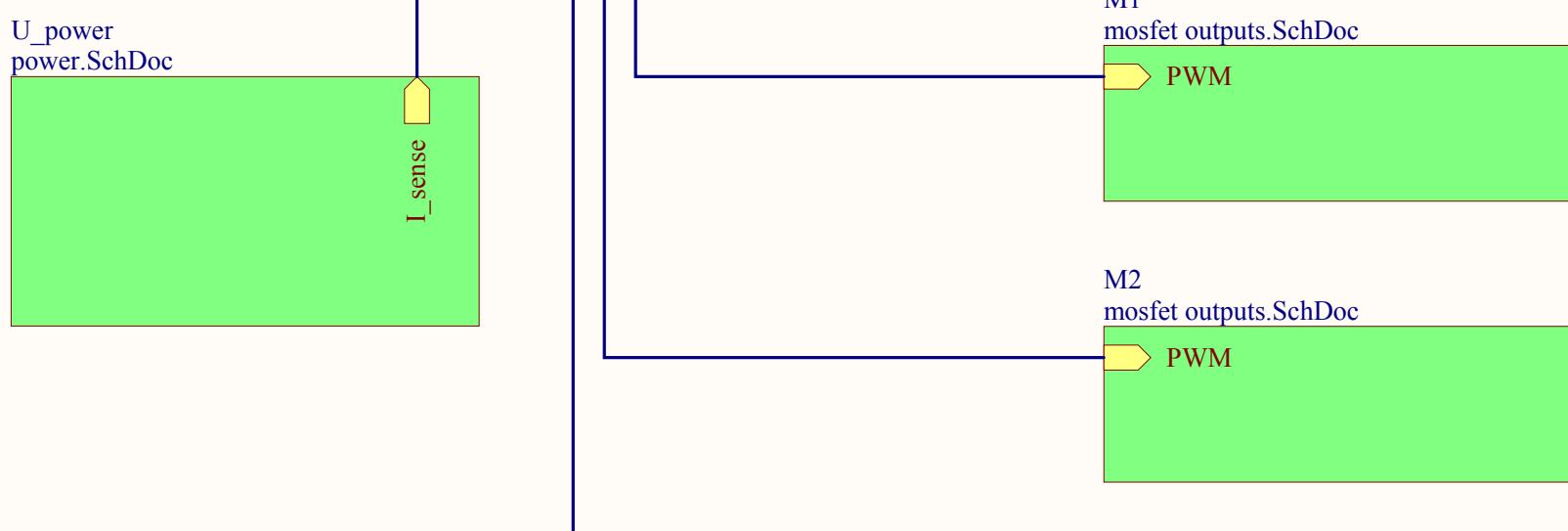


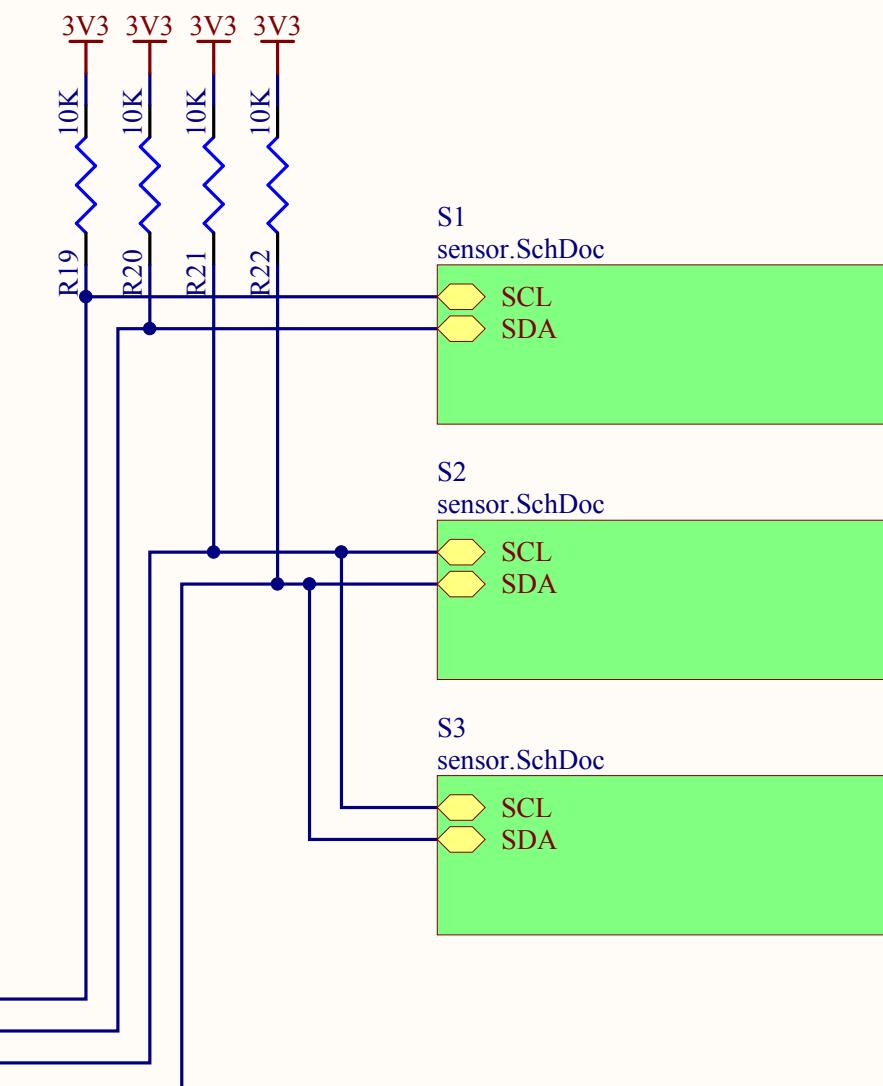
A



B



D



Title : SG Controller

Sheet 1 of 6

Date : 24/02/2019

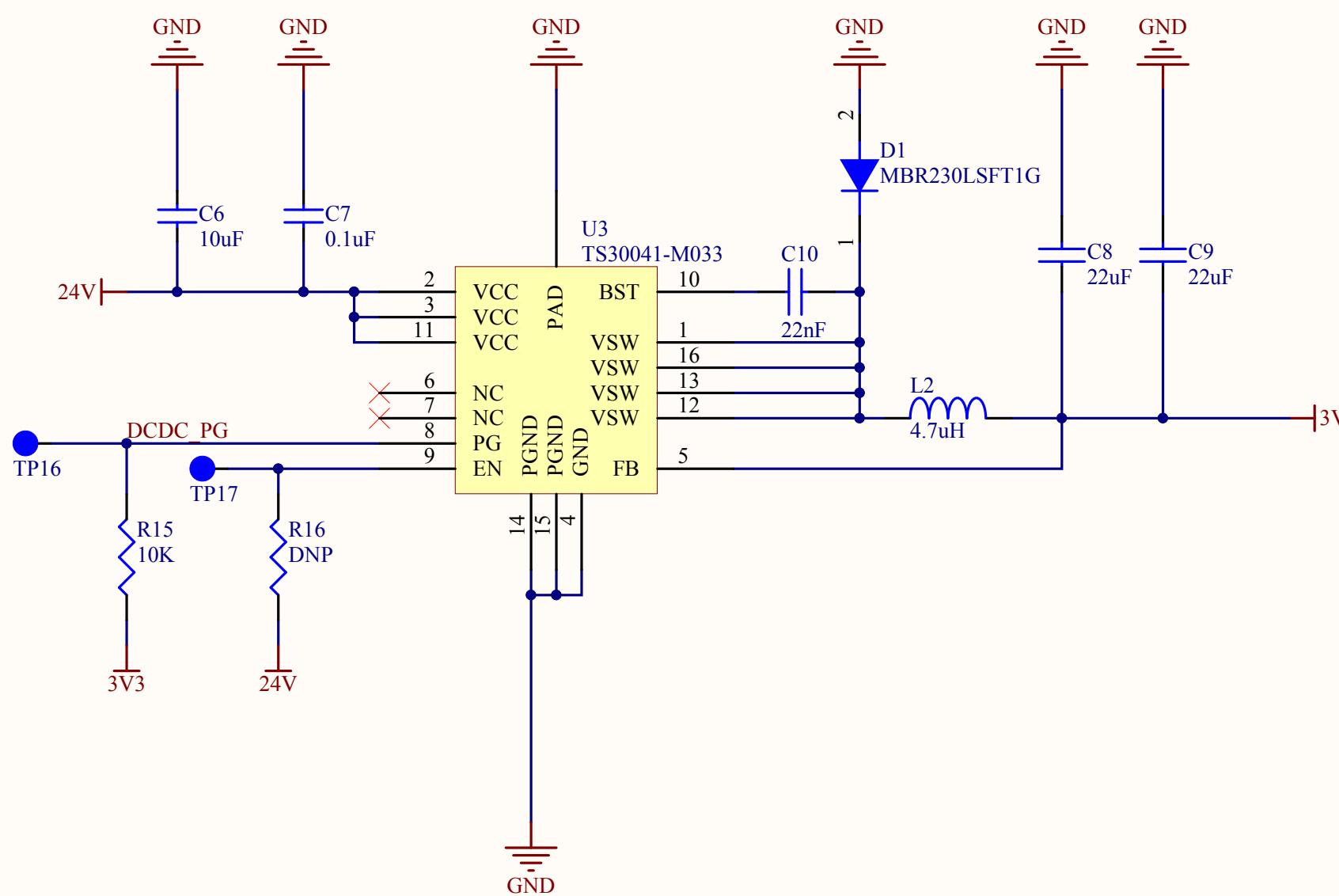
Project : SGC V2.0.PrjPcb

Engineer : Charles Passet

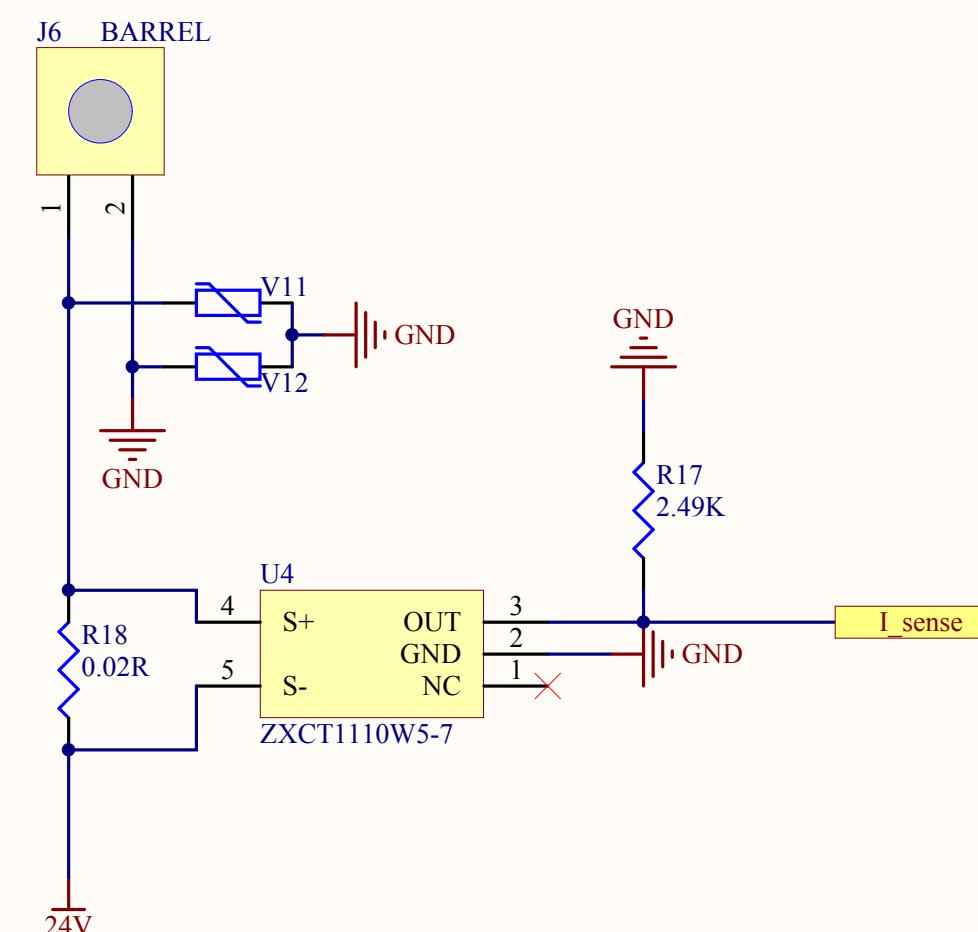
Revision :V2.0

SUPER GREEN LAB

DCDC 24V-> 3.3V MAX 1A



**24V INPUT
5mm barrel**



Title : Power

Sheet 2 of 6

Date : 24/02/2019

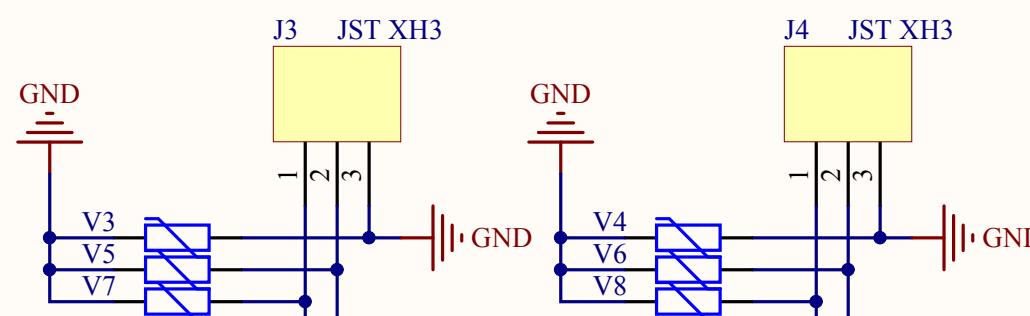
Project : SGC V2.0.PriPcb

Engineer : Charles Passet

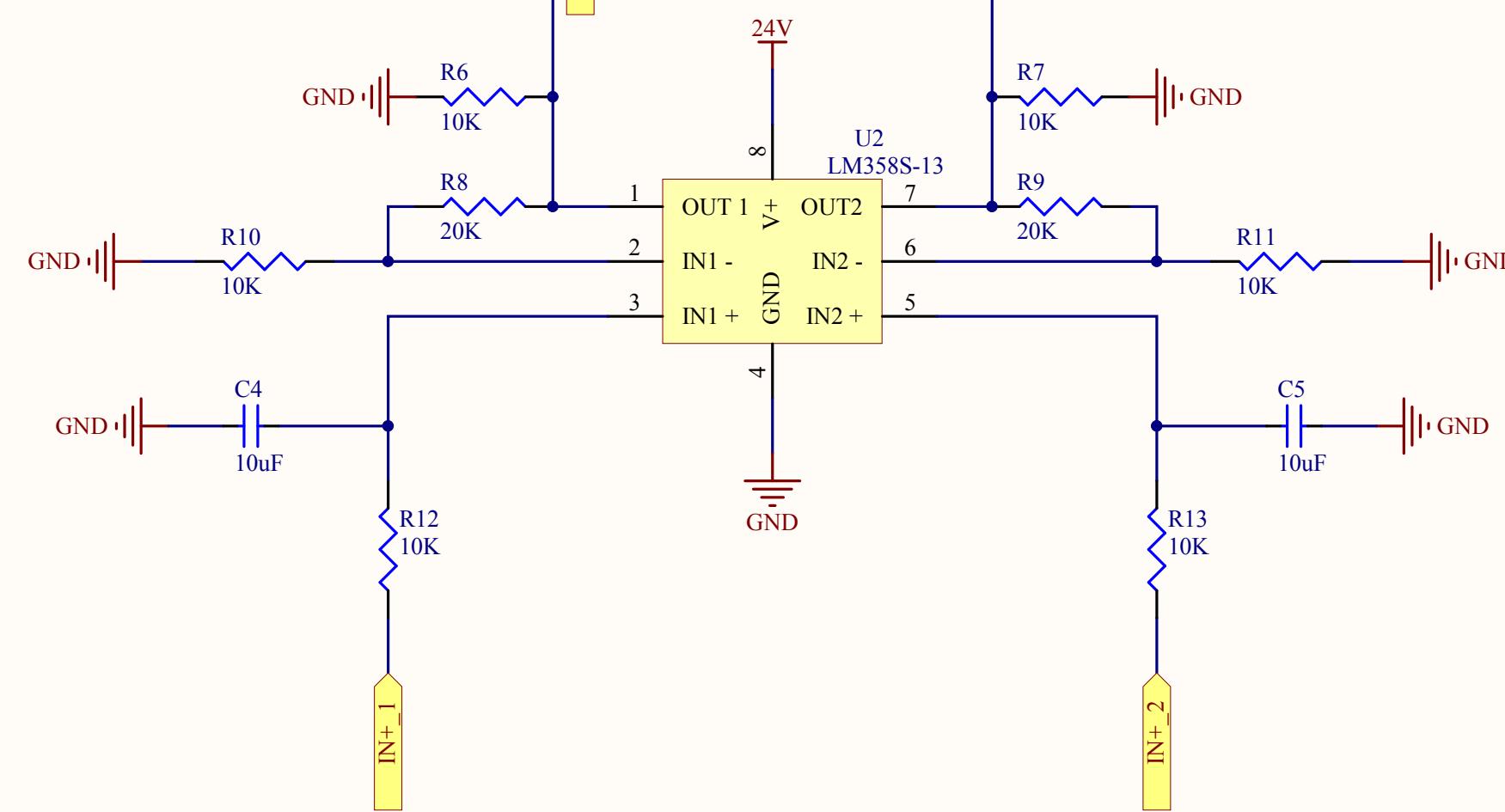
Revision :V2.0

SUPER GREEN LAB

A



B



C

Title : level shifter

Sheet 3 of 6

Date : 24/02/2019

Project : SGC V2.0.PrjPcb

Engineer : Charles Passet

Revision :V2.0

SUPER GREEN LAB

A

A

B

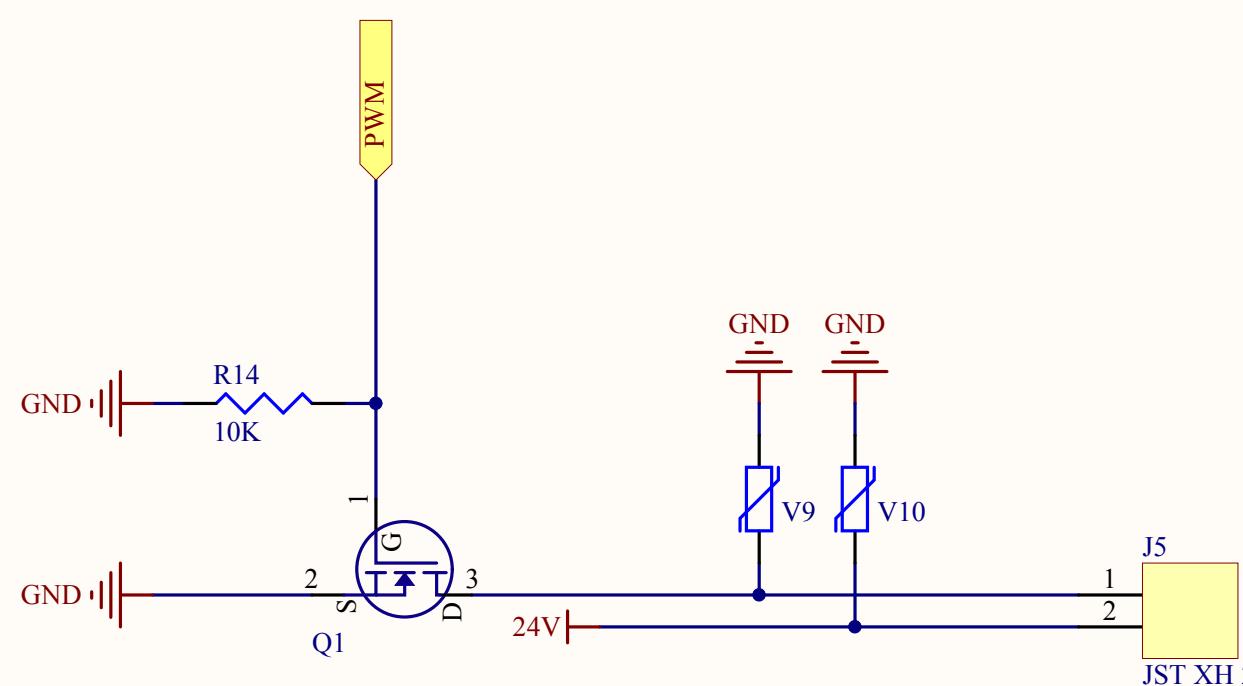
B

C

C

D

D



Title : mosfets outputs

Sheet 4 of 6

Date : 24/02/2019

Project : SGC V2.0.PrjPcb

Engineer : Charles Passet

Revision :V2.0

SUPER GREEN LAB

A

A

B

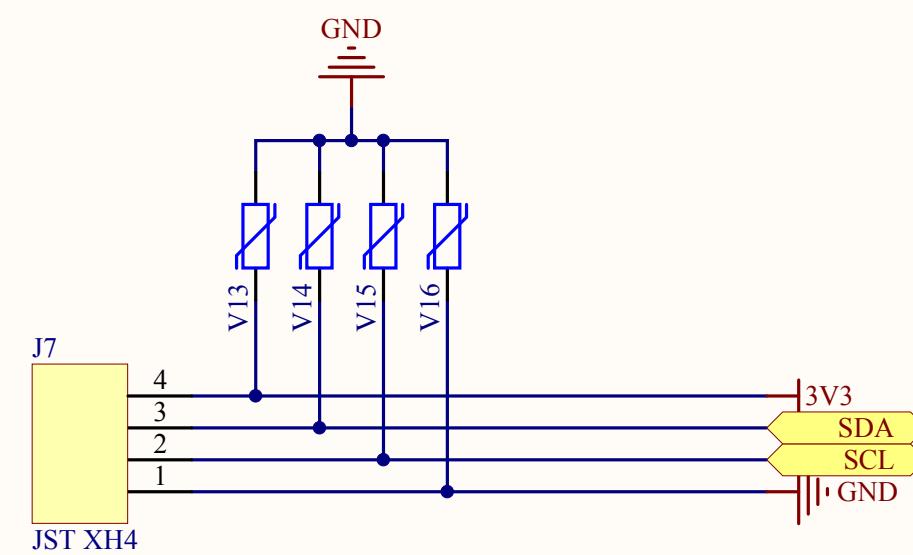
B

C

C

D

D



Title : sensor

Sheet 5 of 6

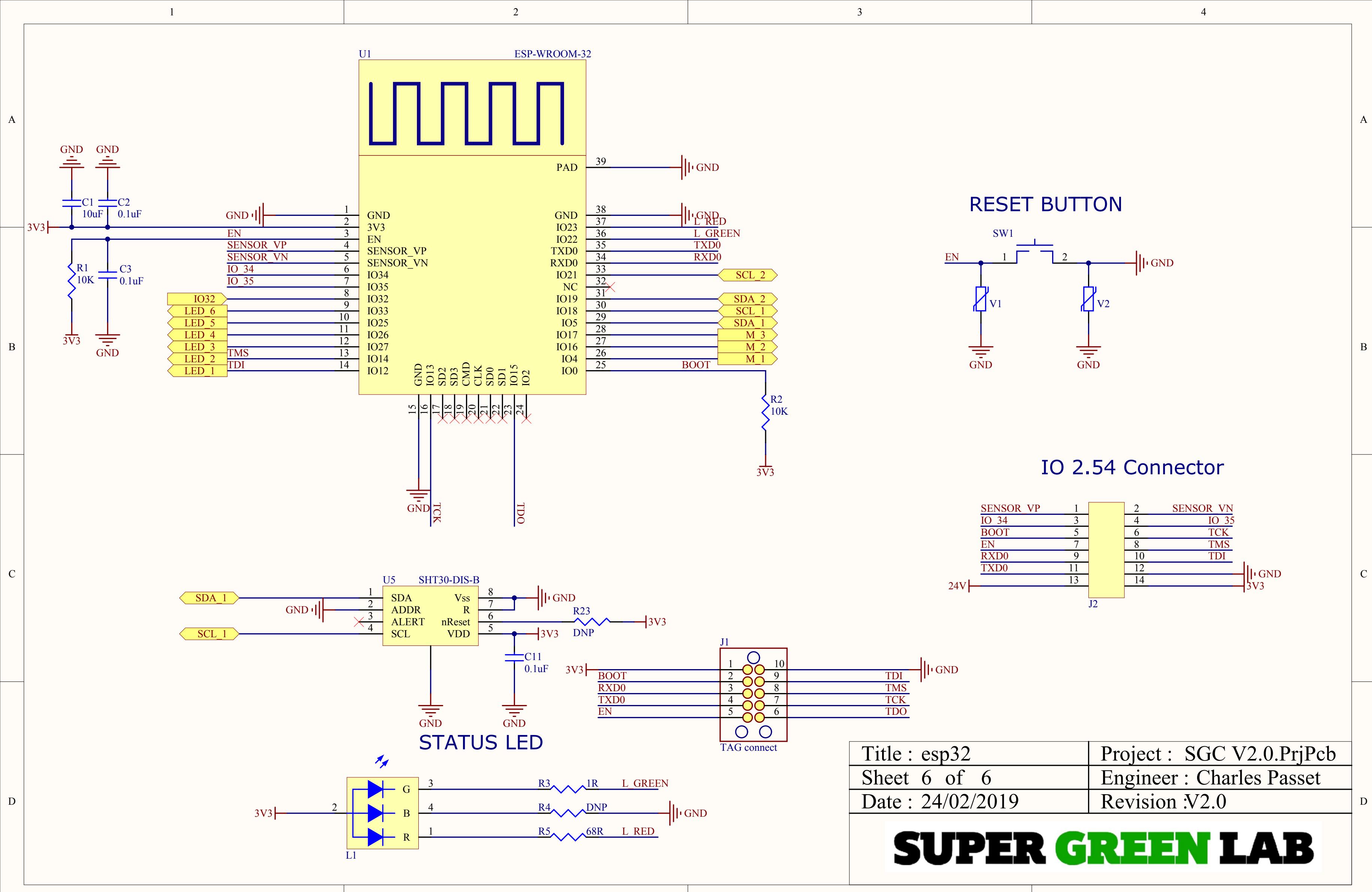
Date : 24/02/2019

Project : SGC V2.0.PrjPcb

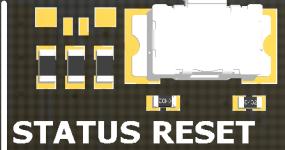
Engineer : Charles Passet

Revision :V2.0

SUPER GREEN LAB

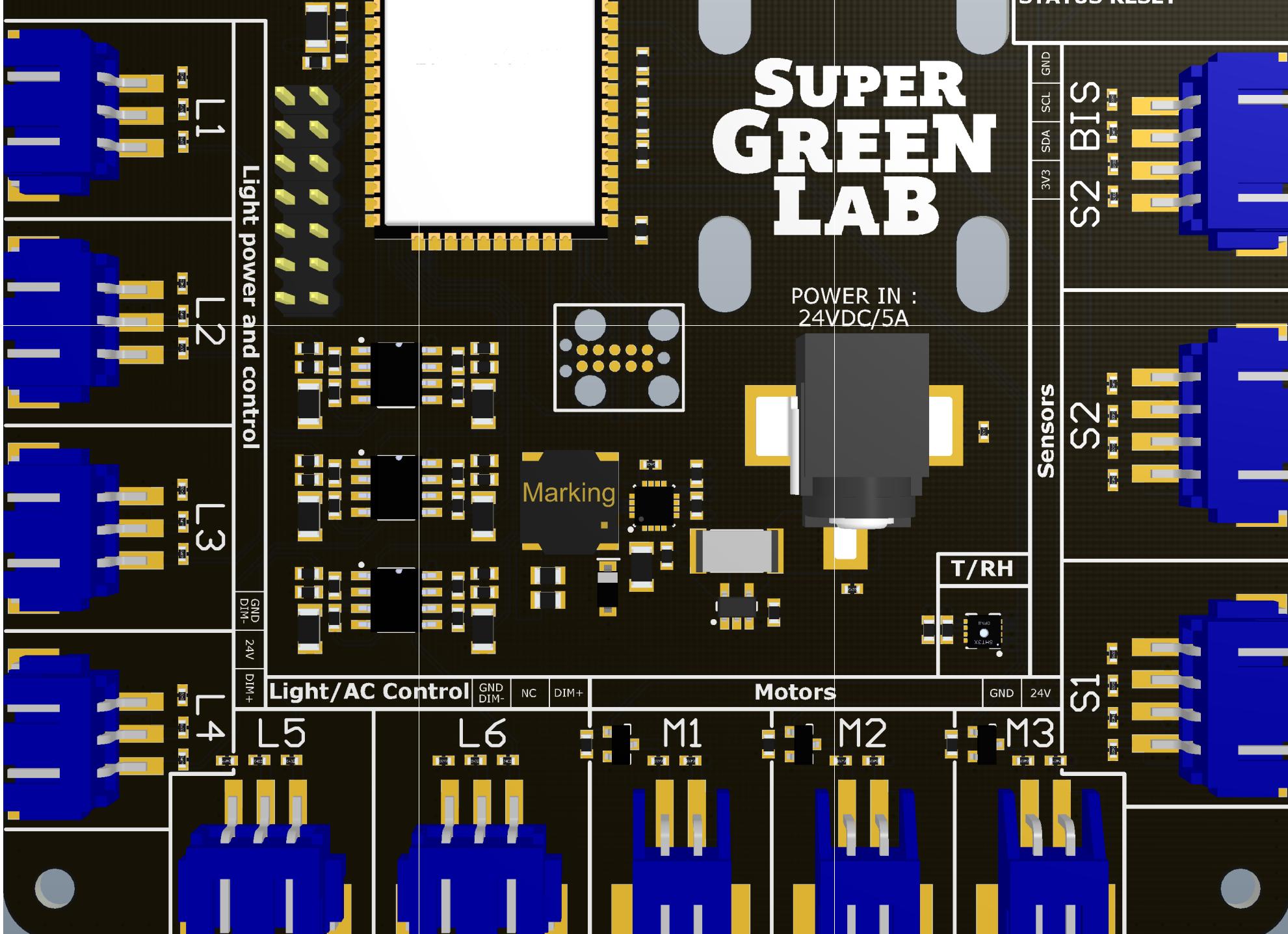


SG CONTROLLER V2.0
supergreenlab.com

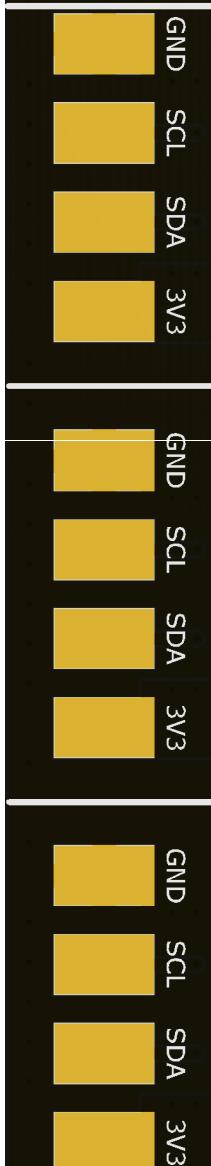


SUPER GREEN LAB

POWER IN :
24VDC/5A



SUPER GREEN LAB



S2 Bis

S2

S1

GND

24V

3V3

Power in : 24VDC 5A
L1->L4 : 10V analog output and 24V power
L5->L6 : 10V analog output
M1->M3 : 24V Fan/Blower/Pump power and control
S1 : I2C bus shared with embedded T/RH sensor
S2 & S2bis : shared I2C bus

M3

M2

M1

L6

L5

24V

GND

24V

GND

24V

GND

DIM+

DIM-

DIM+

DIM-



L1



L2



L3



L4

SUPER GREEN CONTROLLER V2.0

Setup : supergreenlab.com/SGCV2-0

Designed 16/02/19

S/N SGCV2.0

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