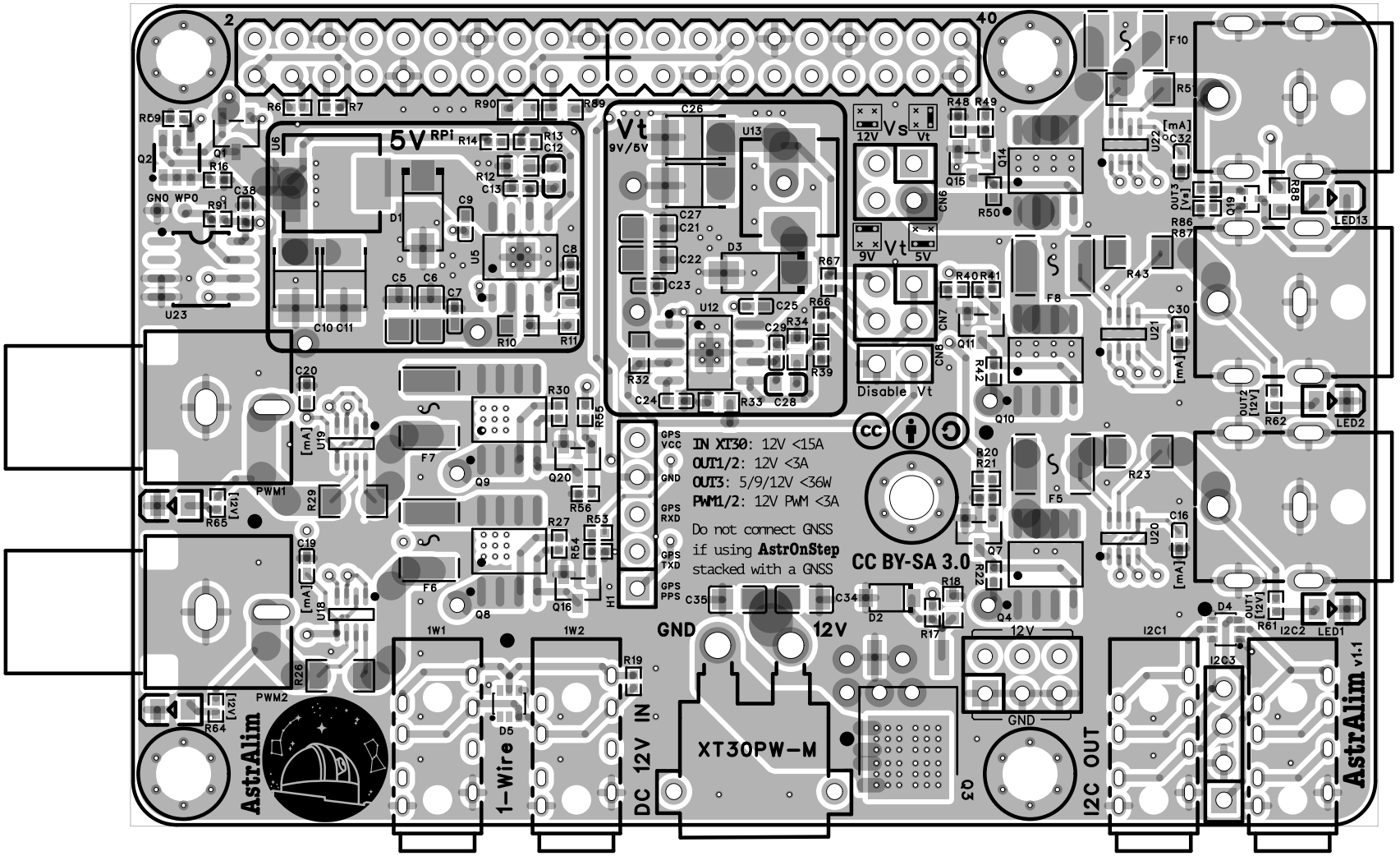
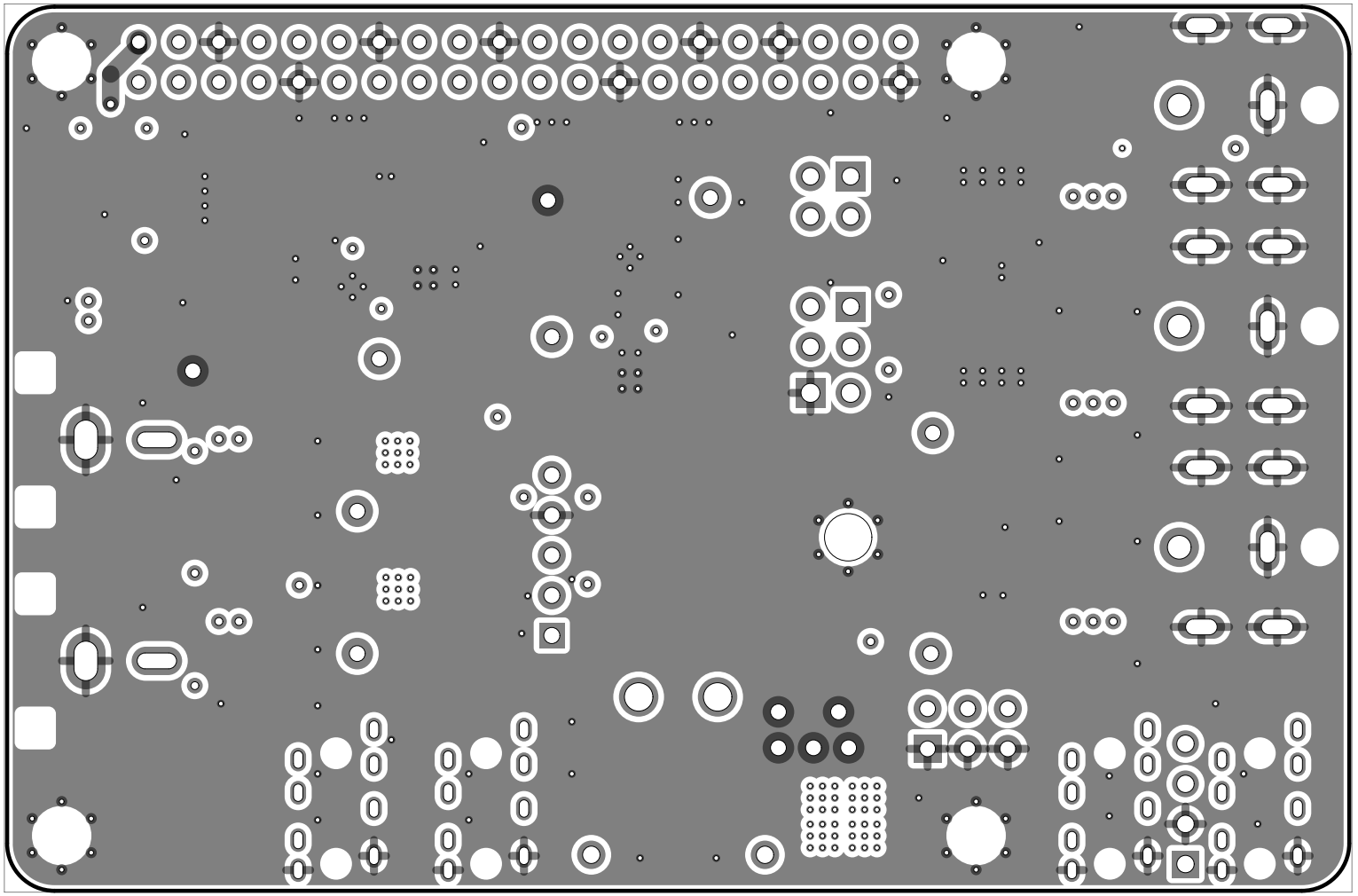
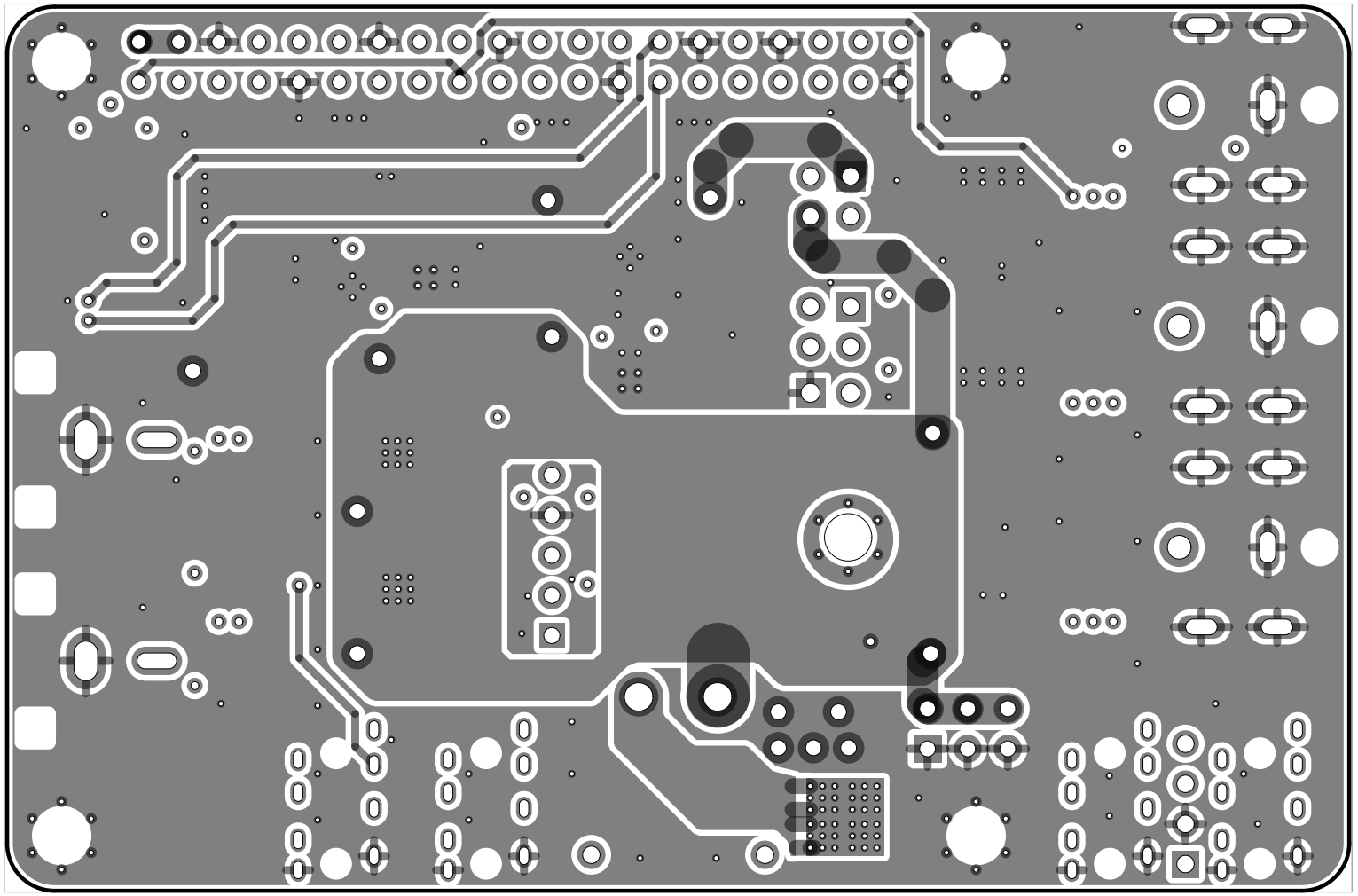
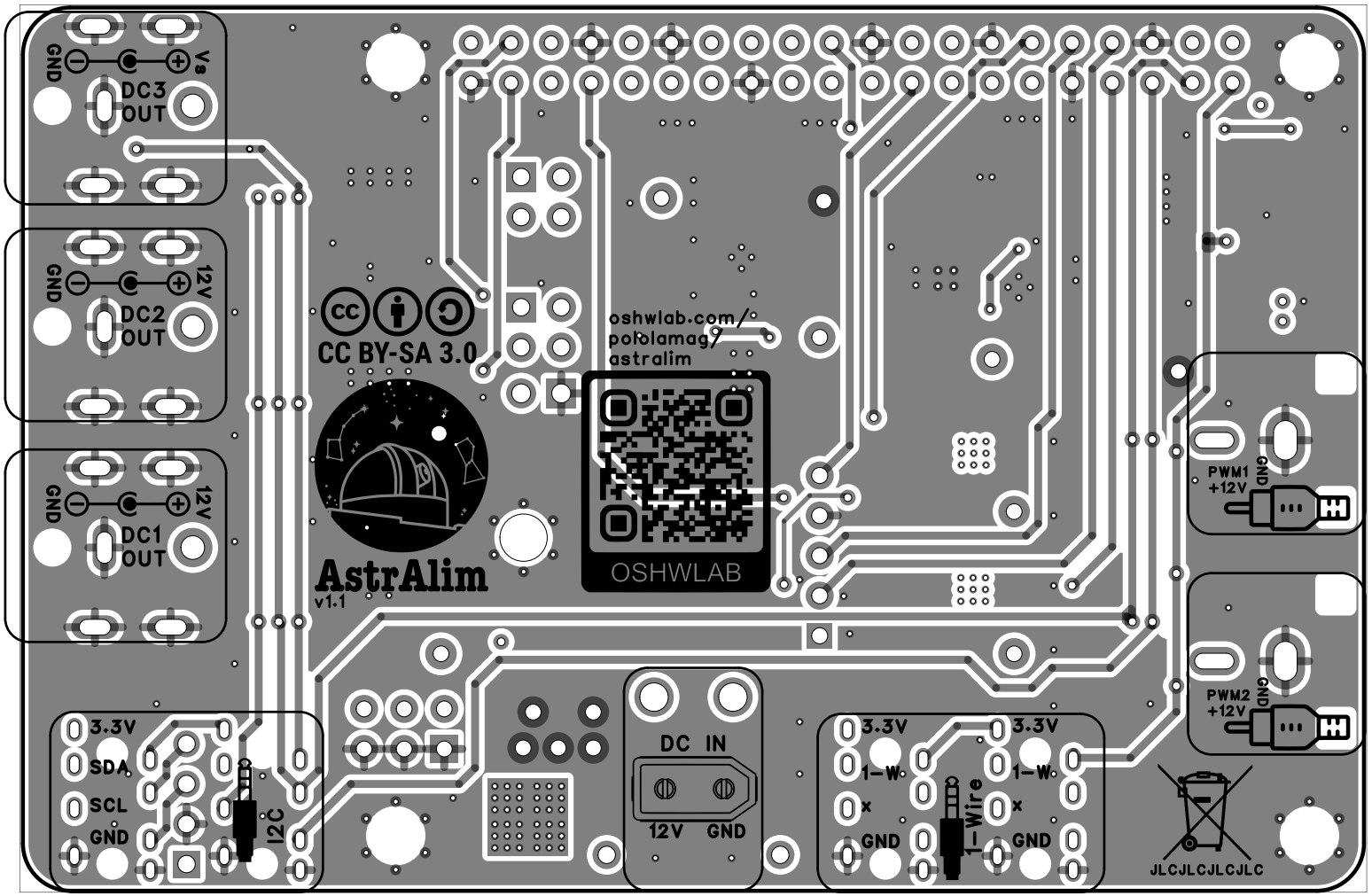
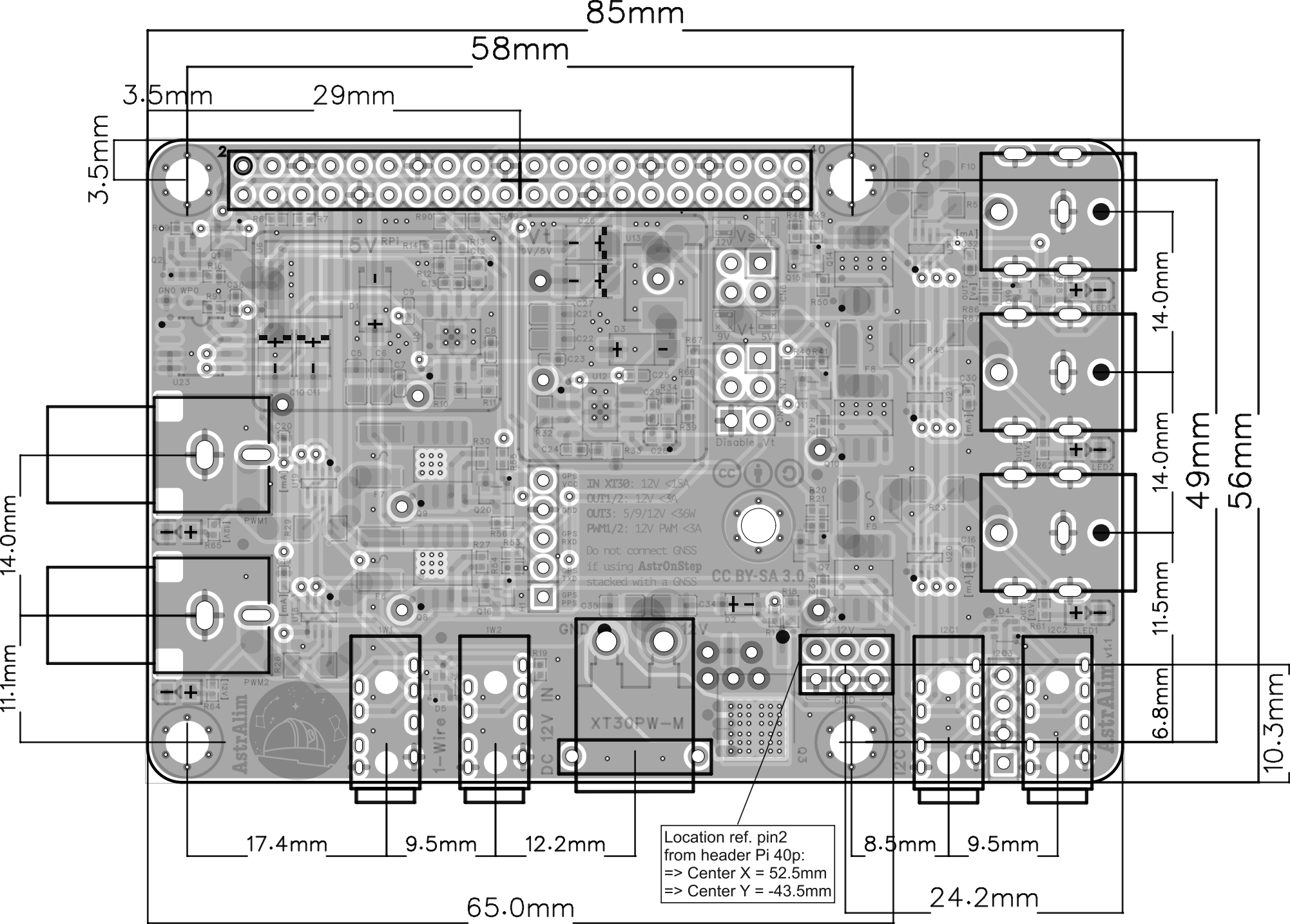

IN XT30: 12V <15A
OUT1/2: 12V <3A
OUT3: 5/9/12V <36W
PWM1/2: 12V PWM <3A
Do not connect GNSS
if using AstrOnStep
stacked with a GNSS
CC BY-SA 3.0
5V RPi
Vt
9V/5V
Vs
12V
9V
5V
Disable Vt
GPS VCC
GND
GPS RXD
GPS TXD
GPS PPS
GND
12V
XT30PW-M
DC 12V IN
1-Wire
1W1
1W2
PWM1
PWM2
I2C OUT
I2C1
I2C2
I2C3
OUT1 [12V]
OUT2 [12V]
OUT3 [Vt]
LED1
LED2
LED13
AstrAlim
AstrAlim v1.1






GND
Vs
DC3
OUT
GND
12V
DC2
OUT
GND
12V
DC1
OUT
CC BY-SA 3.0
AstrAlim
v1.1
oshwlab.com/
pololamag/
astralim
OSHWLAB
PWM1
+12V
GND
PWM2
+12V
GND
3.3V
SDA
SCL
GND
I2C
DC IN
12V
GND
3.3V
1-W
x
GND
1-Wire
3.3V
1-W
x
GND
JLCJLCJLCJLC


85mm
58mm
3.5mm
29mm
3.5mm
14.0mm
14.0mm
14.0mm
11.5mm
6.8mm
10.3mm
49mm
56mm
14.0mm
11.1mm
17.4mm
9.5mm
12.2mm
8.5mm
9.5mm
24.2mm
65.0mm
Location ref. pin2
from header Pi 40p:
=> Center X = 52.5mm
=> Center Y = -43.5mm
IN XT30: 12V <15A
OUT1/2: 12V <3A
OUT3: 5/9/12V <36W
PWM1/2: 12V PWM <3A
Do not connect GNSS
if using AstrOnStep
stacked with a GNSS
CC BY-SA 3.0
XT30PW-M
DC 12V IN
1-Wire
I2C OUT
AstrAlim
AstrAlim v1.1