+Out GND
Output 11-60V
J2

+In GND
Input 11-60V
J1

+Bat GND
Battery
J3

H1
MountingHole

H2
MountingHole

2.2µH
L1

47u low ESR
C24

47u low ESR
C25

C22
POSCAP
47u

C20
47u

C18
C12

TP4
SYS
TP4

BQ25798 UPS
V3.1
by Michal Schwarz

IC1

INT

R4
100R

R5
27k 1-2%

R9
10k

Controller Connection
J4

NTC temp sensor

Temp sensor
J6
J6

Q2
AON7528

Q1
AON7528

2k2
R8
D2

On = charging
Blink = error

TP8
REGN

TP3
PGND

1R
R2

R7

H3
MountingHole

H4
MountingHole

C1 4,7u 25V
47n 25V
C3
47n 25V
4,7u 10V

Board2Pdf: Black And White BOT — Page 2/4

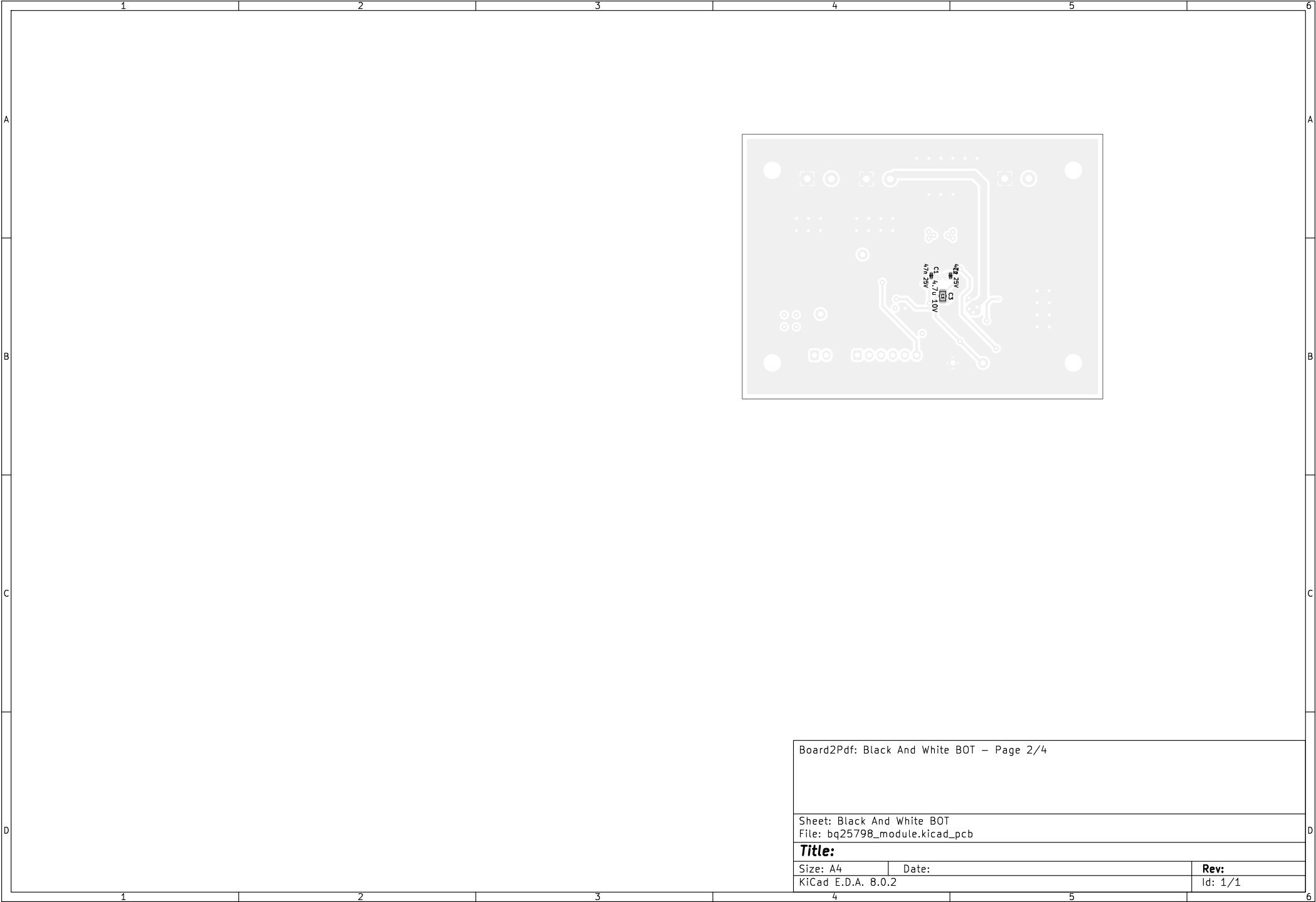Sheet: Black And White BOT
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Title:

Size: A4   Date:

KiCad E.D.A. 8.0.2

Rev:

Id: 1/1

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KiCad E.D.A. 8.0.2 | Id: 1/1

Board2Pdf: Colored TOP — Page 4/4

Sheet: Colored TOP
File: bq25798_module.kicad_pcb
Title:
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KiCad E.D.A. 8.0.2   Id: 1/1