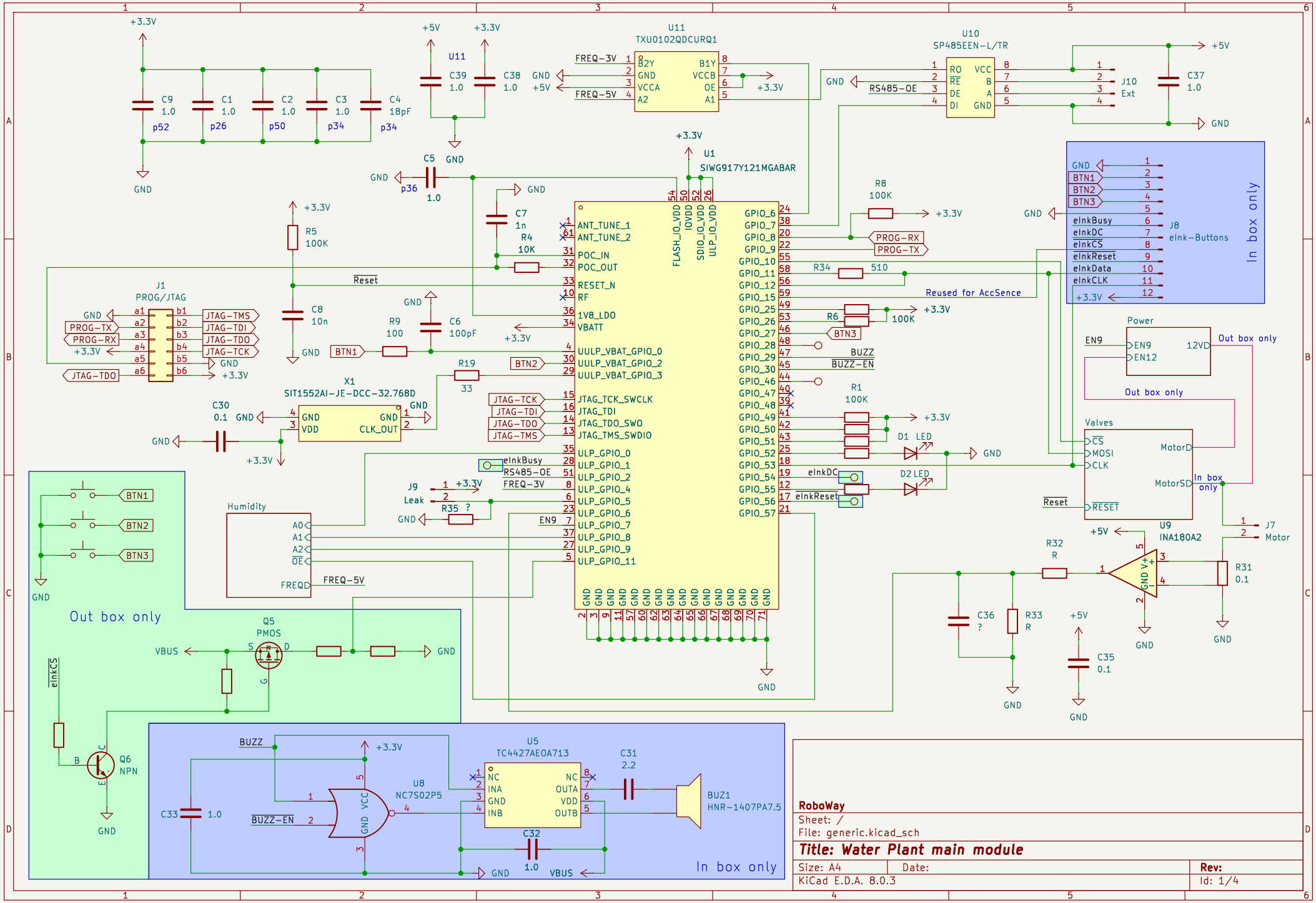
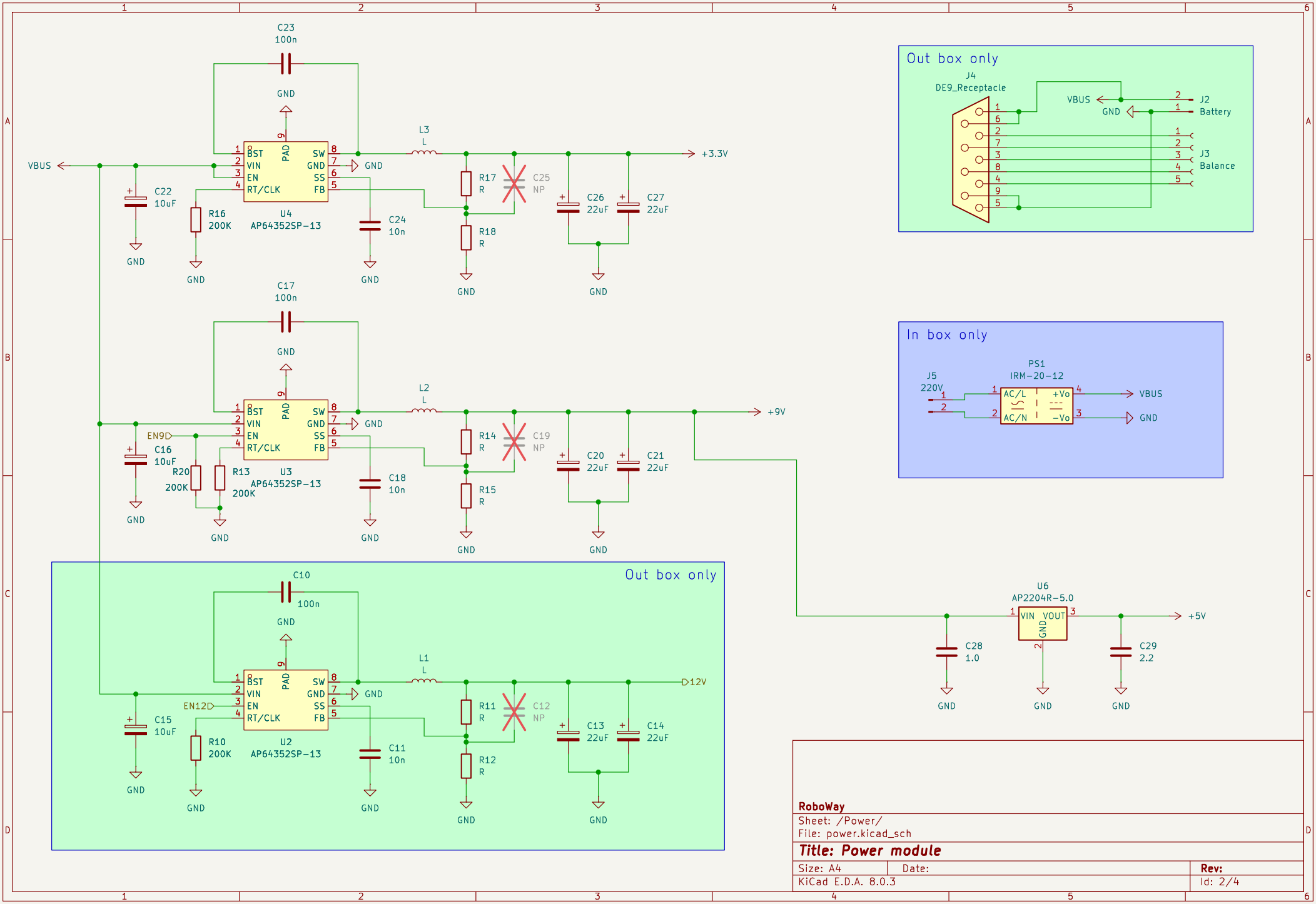
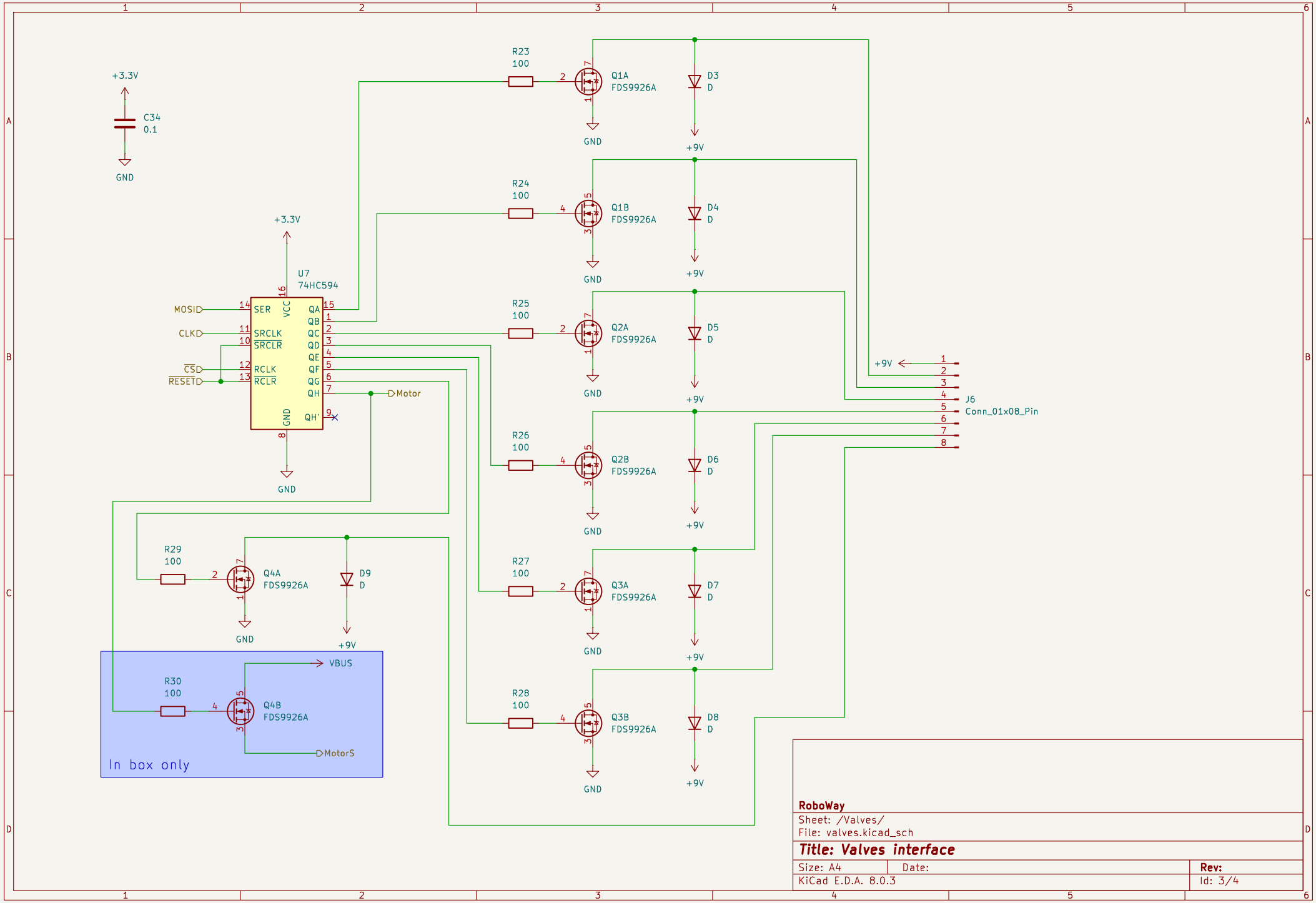
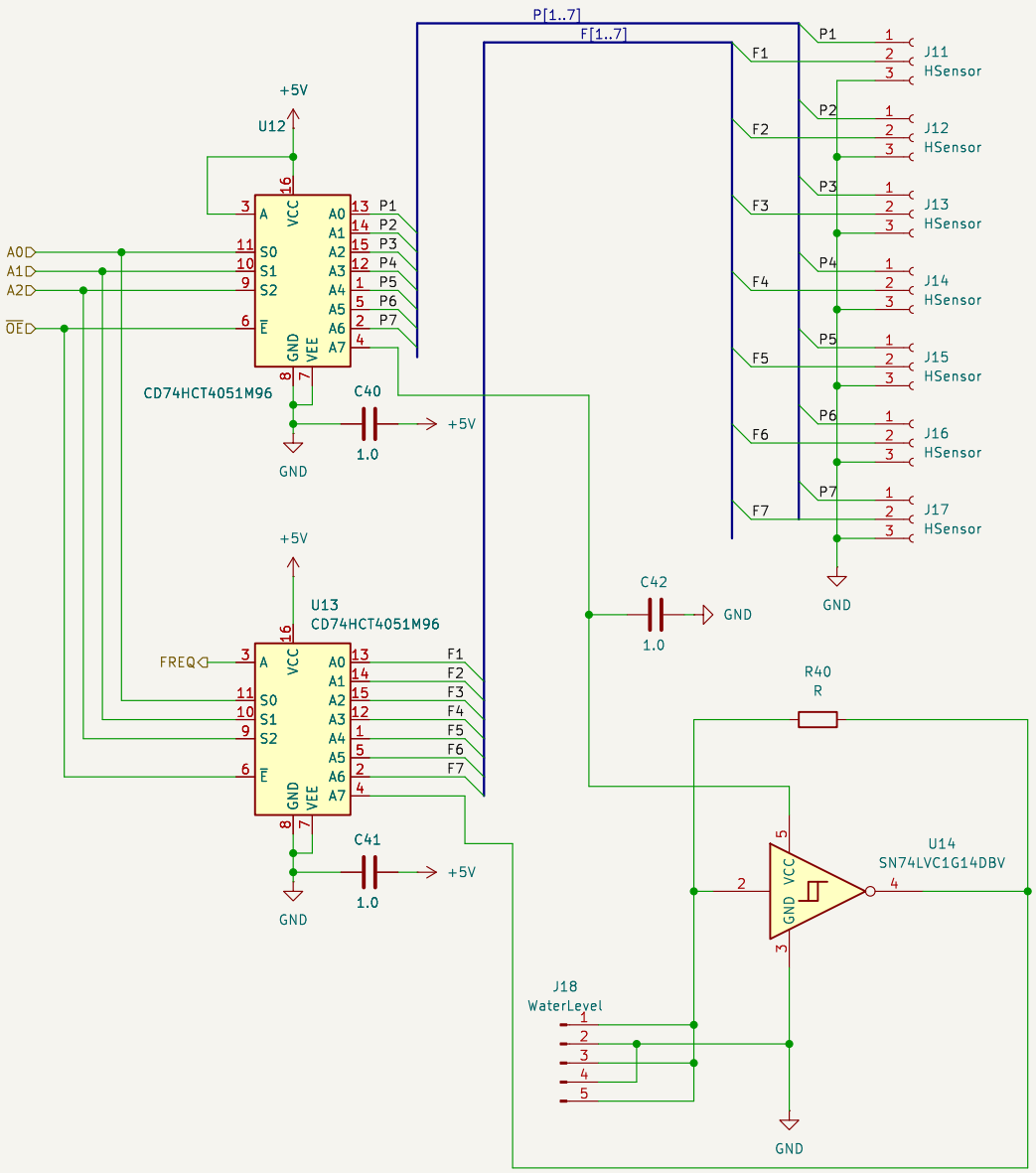

U1
SIWG917Y121MGABAR
U10
SP485EEN-L/TR
U11
TXU0102QDCURQ1
U5
TC4427AEOA713
U8
NC7S02P5
U9
INA180A2
X1
SIT1552AI-JE-DCC-32.768D
J1
PROG/JTAG
J7
Motor
J8
eInk-Buttons
J9
Leak
J10
Ext
Power
Valves
Humidity
BUZ1
HNR-1407PA7.5
Q5
PMOS
Q6
NPN
D1 LED
D2 LED
Out box only
In box only
RoboWay
Sheet: /
File: generic.kicad_sch
Title: Water Plant main module
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.3
Id: 1/4


Out box only
J4
DE9_Receptacle
VBUS
GND
J2
Battery
J3
Balance
In box only
PS1
IRM-20-12
J5
220V
AC/L
AC/N
+Vo
-Vo
VBUS
GND
C23
100n
L3
L
VBUS
BST
VIN
EN
RT/CLK
PAD
SW
GND
SS
FB
+3.3V
C22
10uF
R16
200K
U4
AP64352SP-13
C24
10n
R17
R
C25
NP
R18
R
C26
22uF
C27
22uF
C17
100n
L2
L
EN9
C16
10uF
R20
200K
R13
200K
U3
AP64352SP-13
C18
10n
R14
R
C19
NP
R15
R
C20
22uF
C21
22uF
+9V
Out box only
C10
100n
L1
L
EN12
C15
10uF
R10
200K
U2
AP64352SP-13
C11
10n
R11
R
C12
NP
R12
R
C13
22uF
C14
22uF
12V
U6
AP2204R-5.0
VIN
VOUT
GND
C28
1.0
C29
2.2
+5V
RoboWay
Sheet: /Power/
File: power.kicad_sch
Title: Power module
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.3
Id: 2/4


+3.3V
C34
0.1
GND
U7
74HC594
MOSI
CLK
CS
RESET
SER
SRCLK
SRCLR
RCLK
RCLR
VCC
GND
QA
QB
QC
QD
QE
QF
QG
QH
QH'
Motor
R23
100
R24
100
R25
100
R26
100
R27
100
R28
100
Q1A
FDS9926A
Q1B
FDS9926A
Q2A
FDS9926A
Q2B
FDS9926A
Q3A
FDS9926A
Q3B
FDS9926A
D3
D
D4
D
D5
D
D6
D
D7
D
D8
D
+9V
J6
Conn_01x08_Pin
R29
100
Q4A
FDS9926A
D9
D
R30
100
Q4B
FDS9926A
VBUS
MotorS
In box only
RoboWay
Sheet: /Valves/
File: valves.kicad_sch
Title: Valves interface
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.3
Id: 3/4



RoboWay		
Sheet: /Humidity/		
File: humidity.kicad_sch		
Title: Humidity sensors interface		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.3		Id: 4/4