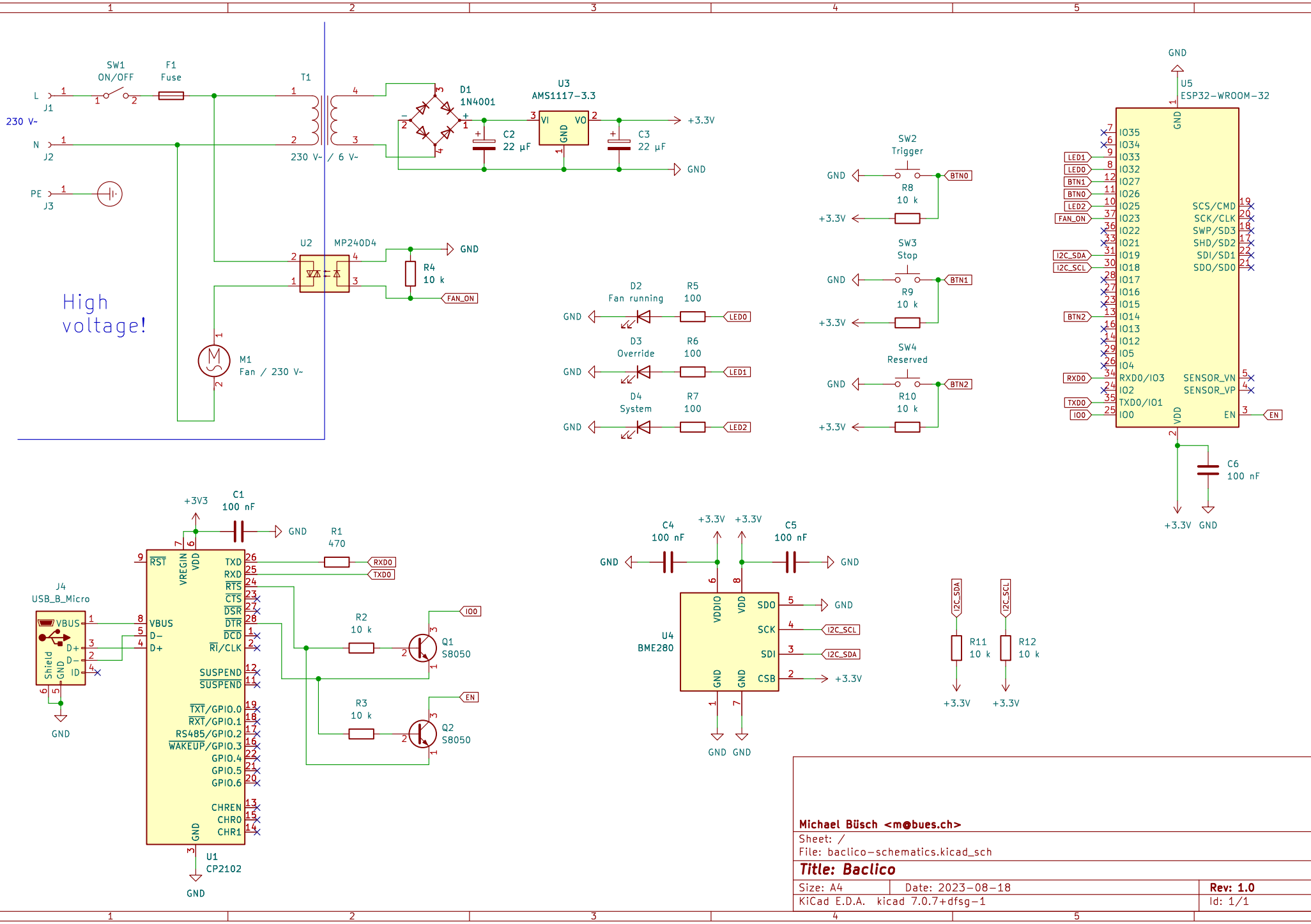
SW1
ON/OFF
F1
Fuse
T1
L
J1
230 V~
N
J2
PE
J3
1
2
3
4
230 V~ / 6 V~
D1
1N4001
U3
AMS1117-3.3
VI
VO
GND
C2
22 µF
C3
22 µF
+3.3V
GND
U2
MP240D4
R4
10 k
FAN_ON
High
voltage!
M1
Fan / 230 V~
D2
Fan running
R5
100
LED0
D3
Override
R6
100
LED1
D4
System
R7
100
LED2
SW2
Trigger
R8
10 k
BTN0
SW3
Stop
R9
10 k
BTN1
SW4
Reserved
R10
10 k
BTN2
U5
ESP32-WROOM-32
IO35
IO34
IO33
IO32
IO27
IO26
IO25
IO23
IO22
IO21
IO19
IO18
IO17
IO16
IO15
IO14
IO13
IO12
IO5
IO4
RXD0/IO3
IO2
TXD0/IO1
IO0
SCS/CMD
SCK/CLK
SWP/SD3
SHD/SD2
SDI/SD1
SDO/SD0
SENSOR_VN
SENSOR_VP
VDD
EN
C6
100 nF
+3V3
C1
100 nF
R1
470
RXD0
TXD0
J4
USB_B_Micro
VBUS
D-
D+
ID
Shield
U1
CP2102
RST
VREGIN
TXD
RXD
RTS
CTS
DSR
DTR
DCD
RI/CLK
SUSPEND
TXT/GPIO.0
RXT/GPIO.1
RS485/GPIO.2
WAKEUP/GPIO.3
GPIO.4
GPIO.5
GPIO.6
CHREN
CHR0
CHR1
R2
10 k
Q1
S8050
IO0
R3
10 k
Q2
S8050
EN
C4
100 nF
C5
100 nF
U4
BME280
VDDIO
SDO
SCK
SDI
CSB
I2C_SDA
I2C_SCL
R11
10 k
R12
10 k
Michael Büsch <m@bues.ch>
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Size: A4
Date: 2023-08-18
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