TODO: SMBJ12A and fuse(?)

J4
Conn_01x01
Conn_01x01
Conn_01x01
Conn_01x01

GND

+12V
opamps3
+12V
DIN
SCLK
/SYNC
SHUTDOWN
ADC
+9V
GND
+9V_3
Datei: opamps.kicad_sch
DIN
SCLK
SHUTDOWN
ADC3
GND

Q101
NMOS
G
D
S
4m/4W/0.5%
R101
GND

+12V
opamps2
+12V
DIN
SCLK
/SYNC
SHUTDOWN
ADC
+9V
GND
+9V_2
Datei: opamps.kicad_sch
ADC2
GND

Q102
NMOS
G
D
S
4m/4W/0.5%
R102
GND

stm32
SHUTDOWND
ADC4
ADC3
ADC2
ADC1
SCLKD
DOUTD
/SYNC
/SYNC0D
/SYNC1D
/SYNC2D
/SYNC3D
VIN
+12V
Datei: stm32.kicad_sch

+12V
opamps1
+12V
DIN
SCLK
/SYNC
SHUTDOWN
ADC
+9V
GND
+9V_1
Datei: opamps.kicad_sch
ADC1
GND

Q103
NMOS
G
D
S
4m/4W/0.5%
R103
GND

+12V
PWR_FLAG
PWR_FLAG
GND

J1
Barrel_Jack_Switch
1
3
2
GND

F1
0.5A

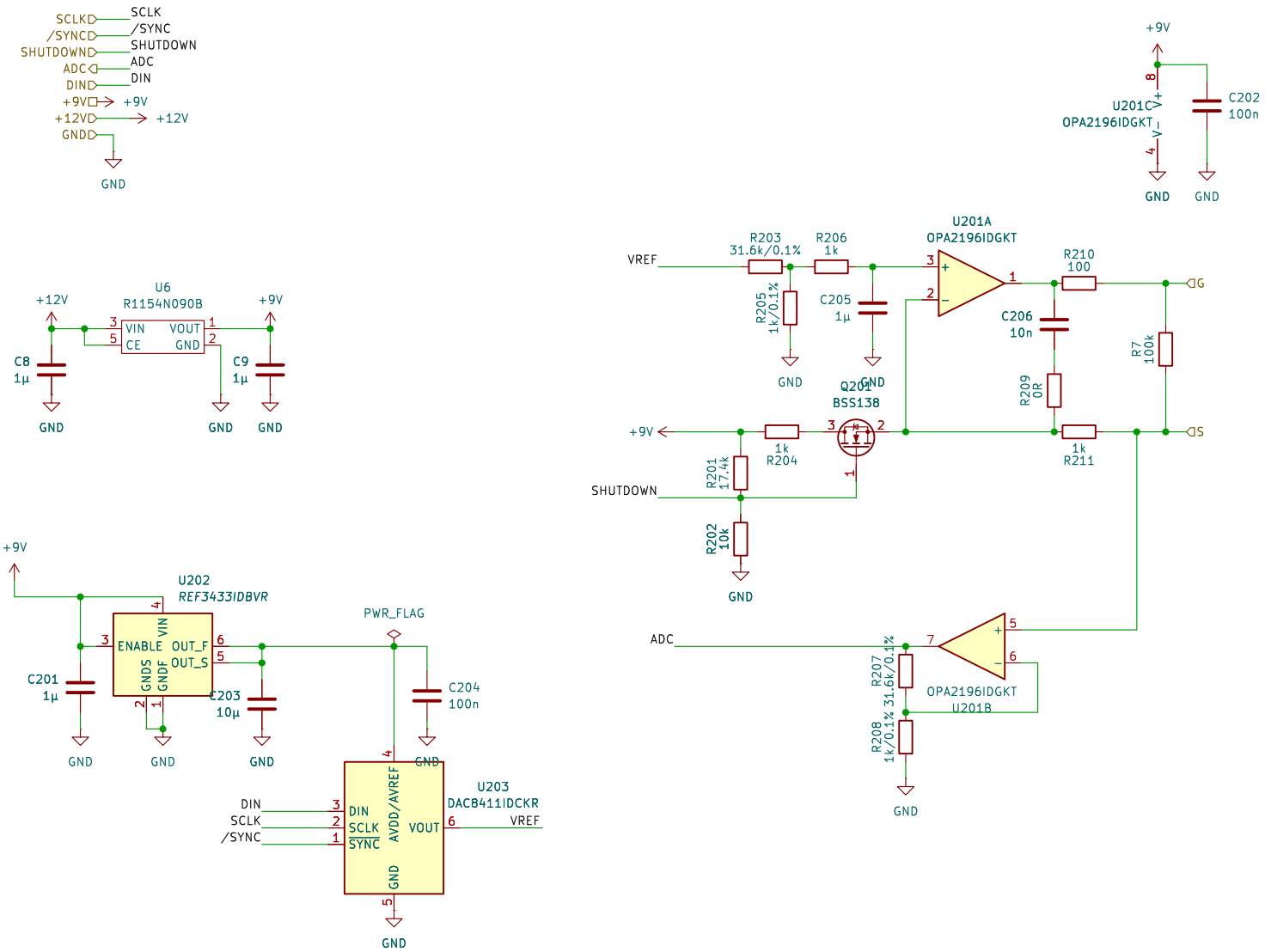
+12V
C2
330µ
GND

D1
SMBJ12A
GND

+12V
opamps
+12V
DIN
SCLK
/SYNC
SHUTDOWN
ADC
+9V
GND
+9V_0
Datei: opamps.kicad_sch
ADC0
GND

Q104
NMOS
G
D
S
4m/4W/0.5%
R104
GND

Sheet: /
File: eload-pwr.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 9.0.5
Id: 1/6



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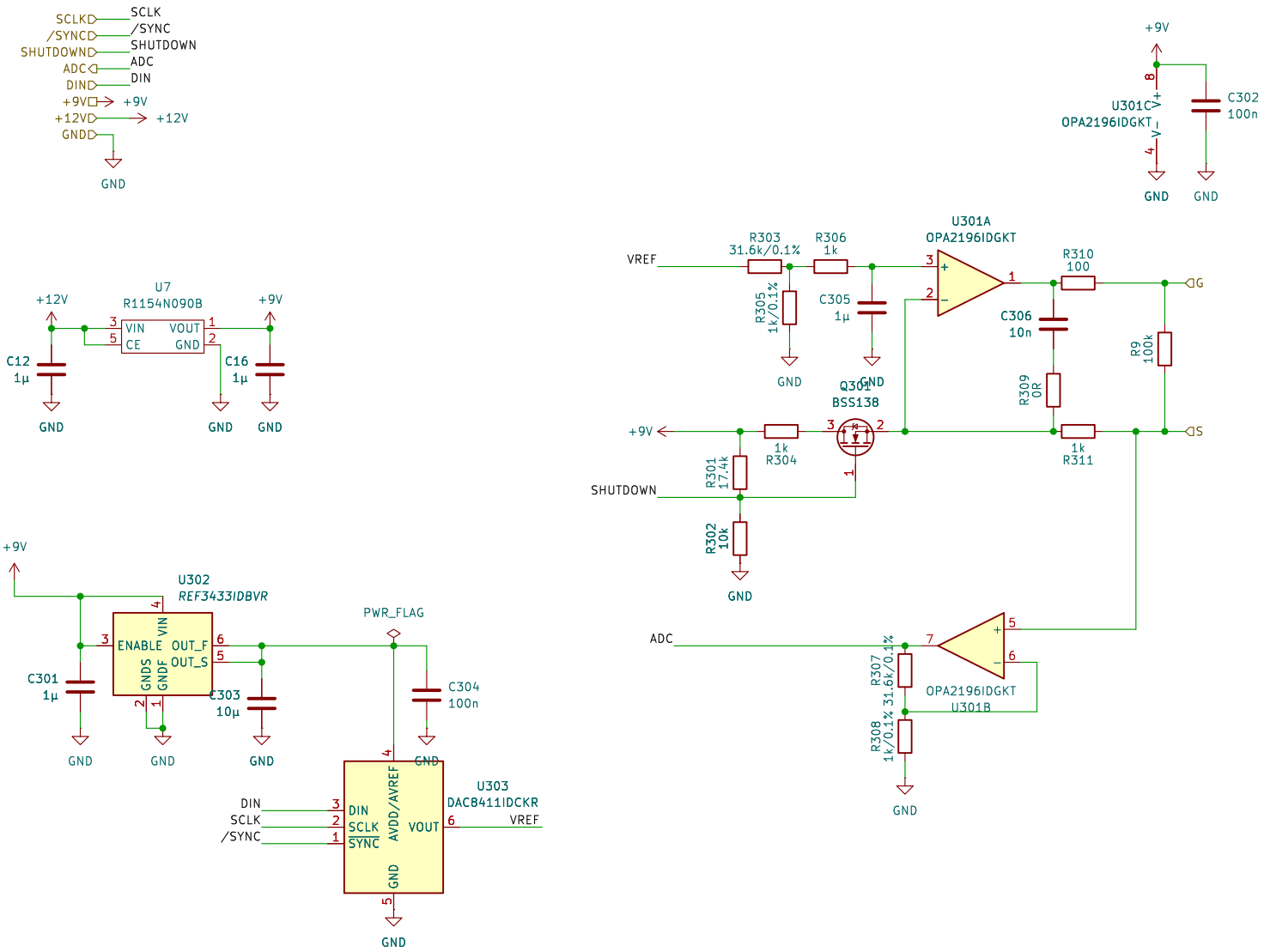
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 2/6



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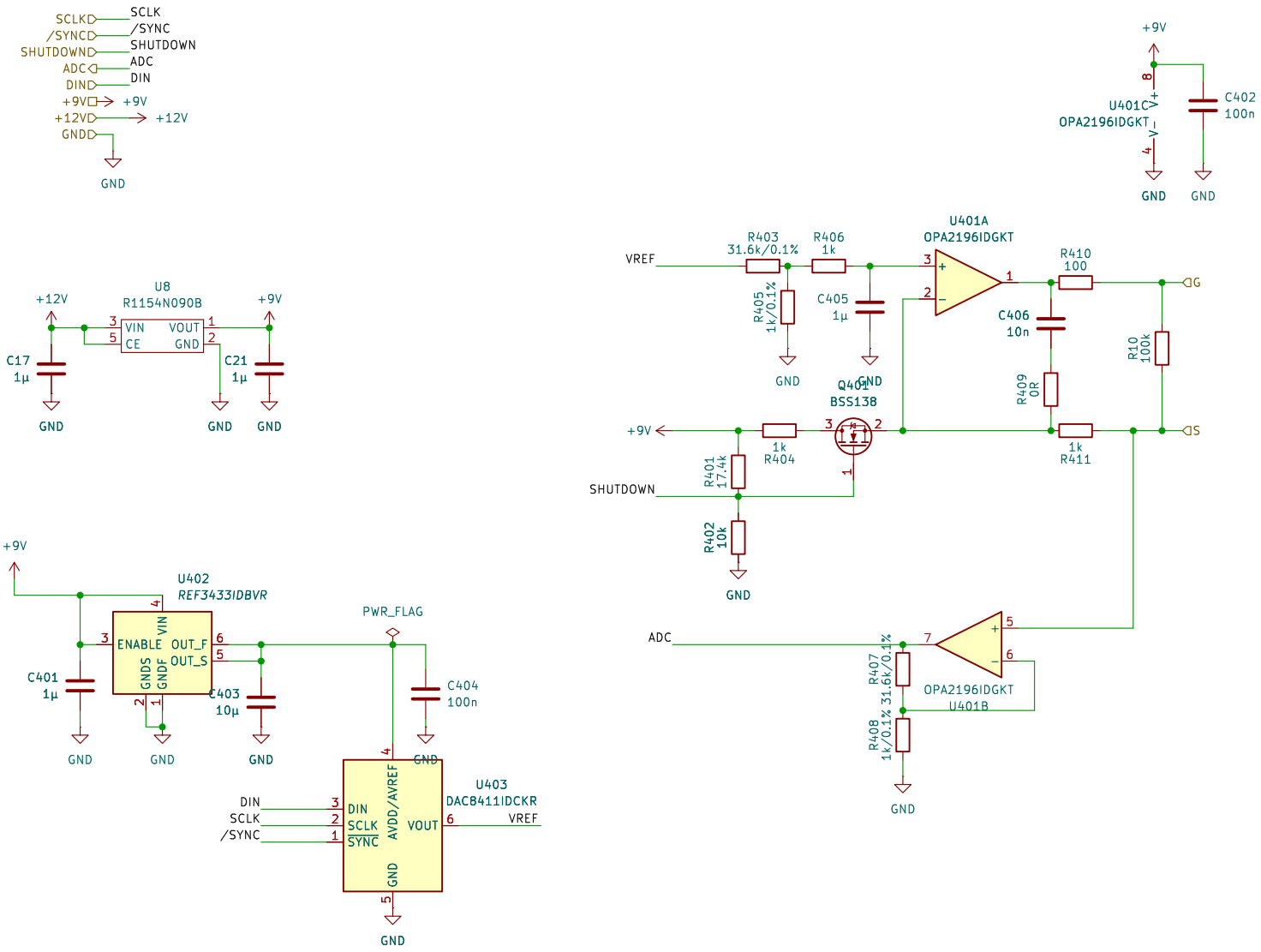
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 3/6



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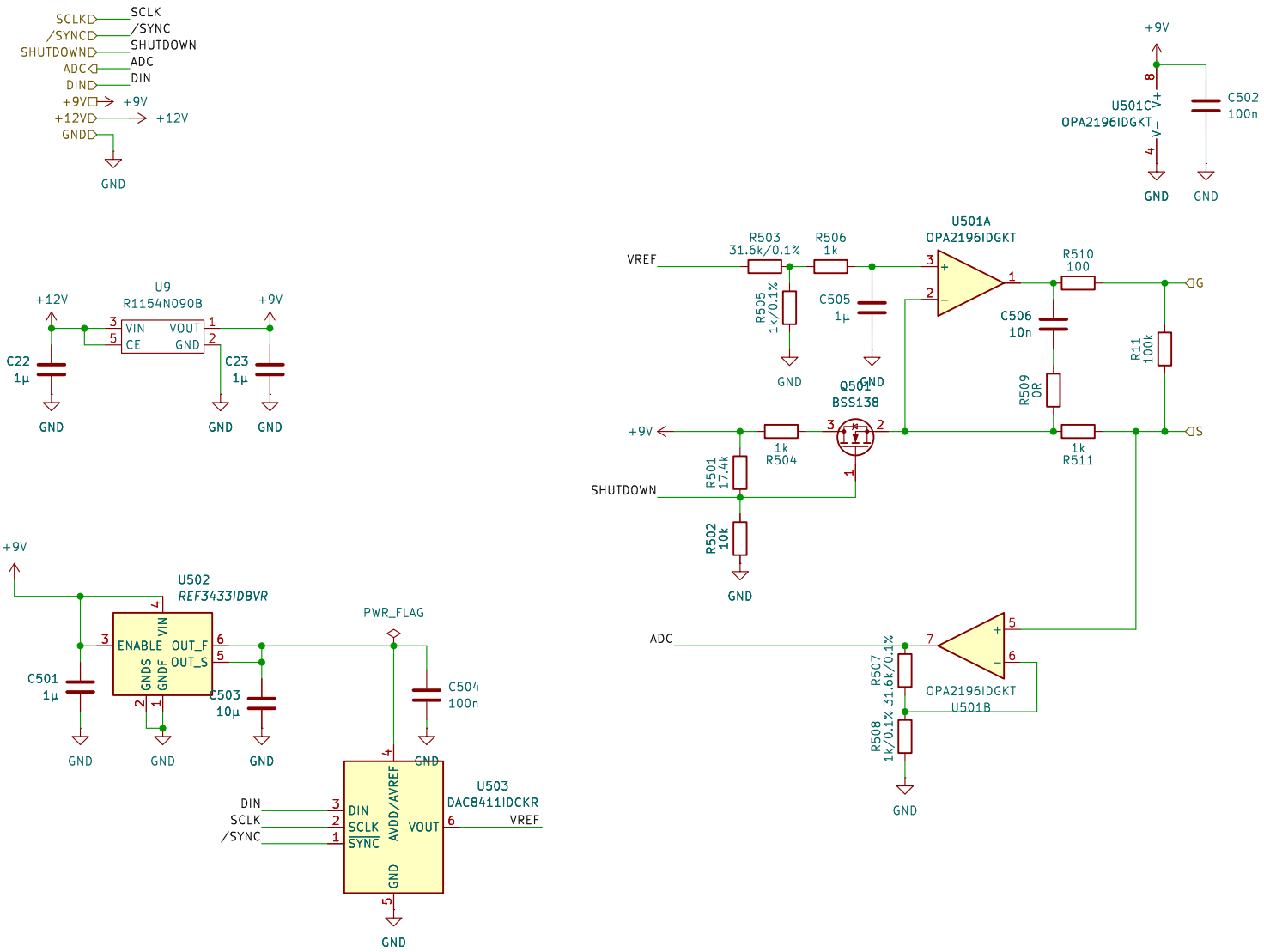
KiCad E.D.A. 9.0.5		Id: 4/6



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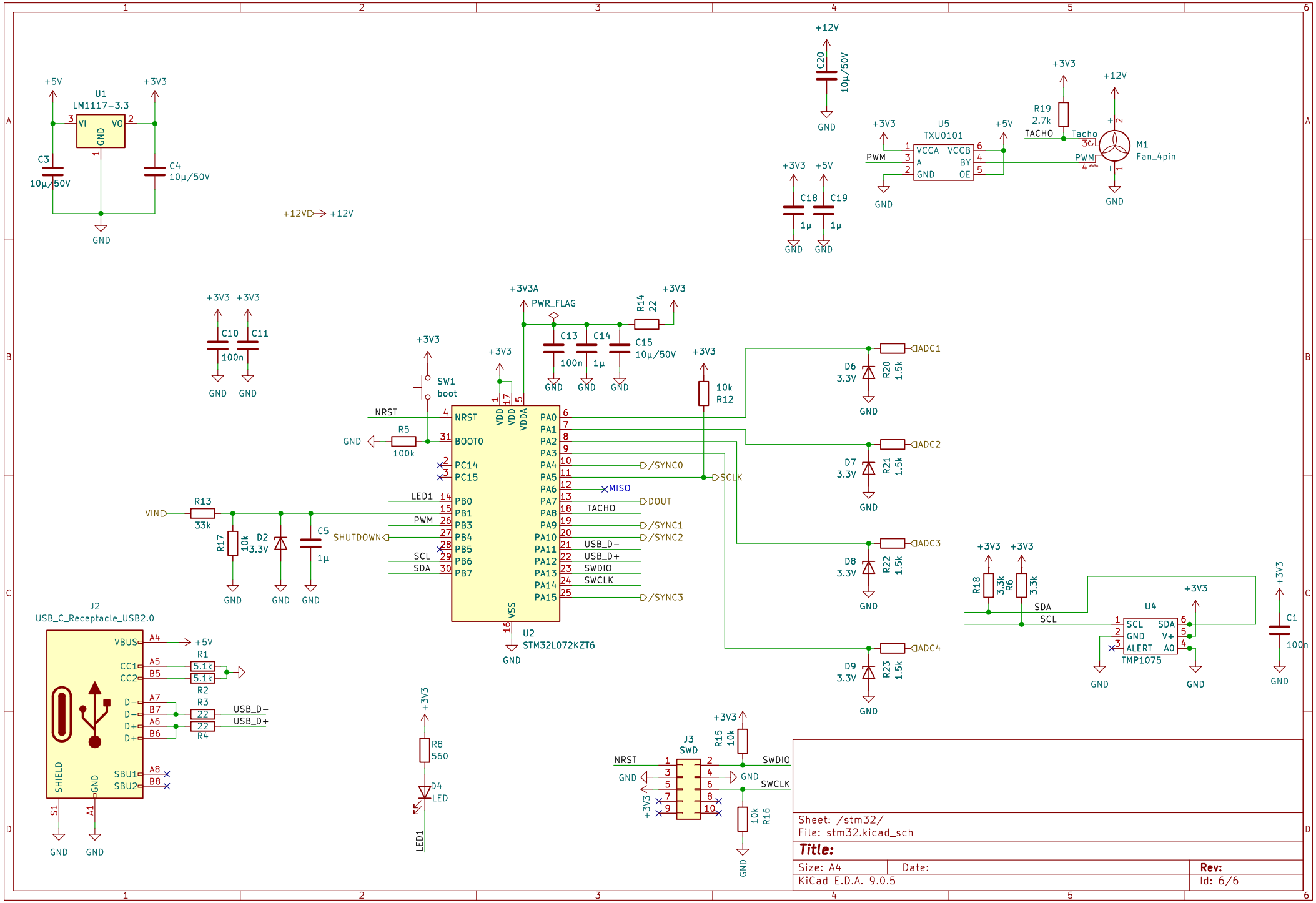
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 5/6


U1
LM1117-3.3
+5V
+3V3
C3
10µ/50V
C4
10µ/50V
GND
+12VD
+12V
C20
10µ/50V
C18
1µ
C19
1µ
U5
TXU0101
PWM
R19
2.7k
TACHO
M1
Fan_4pin
C10
100n
C11
100n
+3V3A
PWR_FLAG
R14
22
C13
100n
C14
1µ
C15
10µ/50V
SW1
boot
R5
100k
R12
10k
NRST
BOOT0
PC14
PC15
PB0
PB1
PB3
PB4
PB5
PB6
PB7
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
VDD
VDDA
VSS
U2
STM32L072KZT6
/SYNC0
SCLK
MISO
DOUT
TACHO
/SYNC1
/SYNC2
USB_D-
USB_D+
SWDIO
SWCLK
/SYNC3
LED1
PWM
SCL
SDA
SHUTDOWN
VIN
R13
33k
R17
10k
D2
3.3V
C5
1µ
D6
3.3V
R20
1.5k
ADC1
D7
3.3V
R21
1.5k
ADC2
D8
3.3V
R22
1.5k
ADC3
D9
3.3V
R23
1.5k
ADC4
R18
3.3k
R6
3.3k
U4
TMP1075
C1
100n
J2
USB_C_Receptacle_USB2.0
VBUS
CC1
CC2
D-
D+
SHIELD
GND
SBU1
SBU2
R1
5.1k
R2
5.1k
R3
22
R4
22
R8
560
D4
LED
J3
SWD
R15
10k
R16
10k
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Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.5
Id: 6/6