

POWER

Me.Inc

Sheet: /Power/

File: power.kicad_sch

Title: RPFC – RP2354B Flight Controller

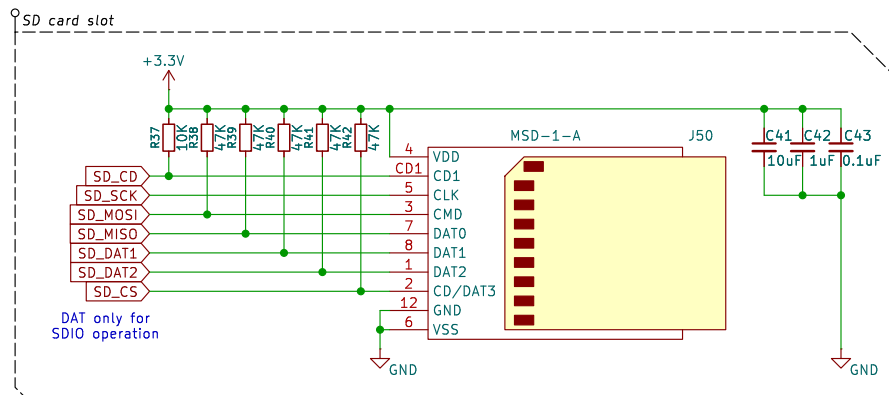
Size: A5

Date: 2026-08-06

Rev: V0.1

KiCad E.D.A. 9.0.7

Id: 2/5



STORAGE

Me.Inc

Sheet: /Memory/

File: memory.kicad_sch

Title: RPFC – RP2354B Flight Controller

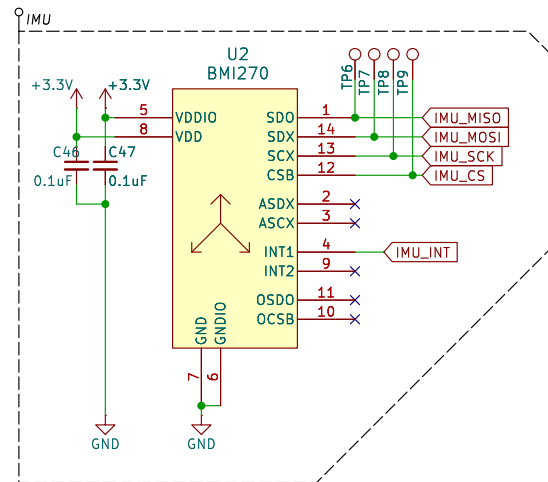
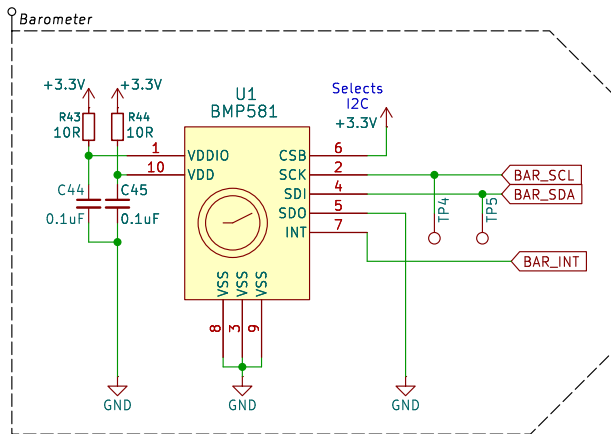
Size: A5

Date: 2026-08-06

Rev: V0.1

KiCad E.D.A. 9.0.7

Id: 3/5



SENSORS

Me.Inc

Sheet: /Sensors/

File: sensors.kicad_sch

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OUTSIDE CONNECTIONS

USB connector

J53
USB4216-03-A

VBUS
DP
DN
CC1
CC2
SBU1
SBU2

A4
A6
A7
A5
B5
A8
B8

TP10
TP11

750mA PTC
MF-FSML075/8-2
F1

USB_D+
USB_D-

D6
D+
D-
Data TVS

TPD2EUSB30DRTR

R47 5.1K
R48 5.1K

GND

VBUS TVS
D7
TPD1E10B06DPYR

+5V_USB

A1
GND

Buzzer's mosfet

+5V

Flyback diode
D5
RB530SM-30T2R

BZ-
BZ+

Q1
2N7002

BUZZER

100R
R46

100K
R45

GND

VTX and ESC connectors

J52
SM06B-SRSS-TB_LF_SN_

MP2
MP1

6
5
4
3
2
1

VTX_TX
VTX_RX

8
7

GND

+10V

J51
SM08B-SRSS-TB

MP2
MP1

8
7
6
5
4
3
2
1

ESC_TEL
ESC_CUR
M4
M3
M2
M1

10
9

GND

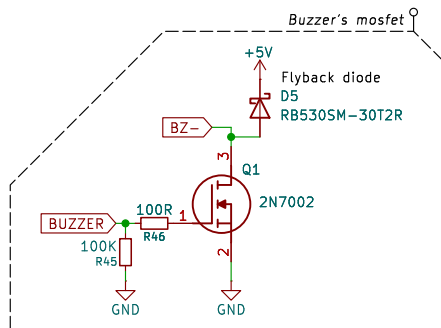
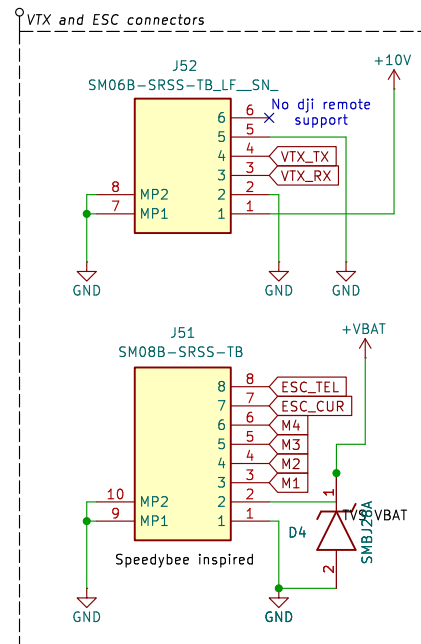
+VBAT

D4
SMBJ28A

VBAT

Speedybee inspired

Me.Inc		
Sheet: /Outside connections/ File: outside.kicad_sch		
Title: RPFC – RP2354B Flight Controller		
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KiCad E.D.A. 9.0.7		Id: 5/5



Me.Inc

Sheet: /Outside connections/

File: outside.kicad_sch

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