

POWER

Me.Inc

Sheet: /Power/

File: power.kicad_sch

Title: RPFC – RP2354B Flight Controller

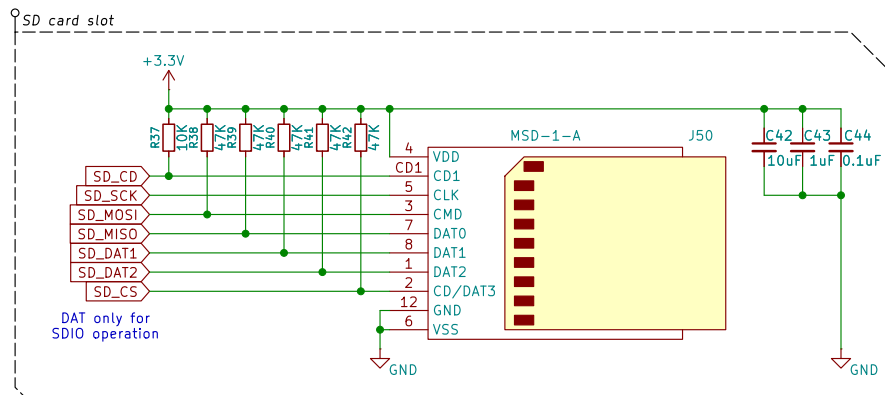
Size: A5

Date: 2026-08-06

Rev: V0.1

KiCad E.D.A. 10.0.5

Id: 2/5



STORAGE

Me.Inc

Sheet: /Memory/

File: memory.kicad_sch

Title: RPFC – RP2354B Flight Controller

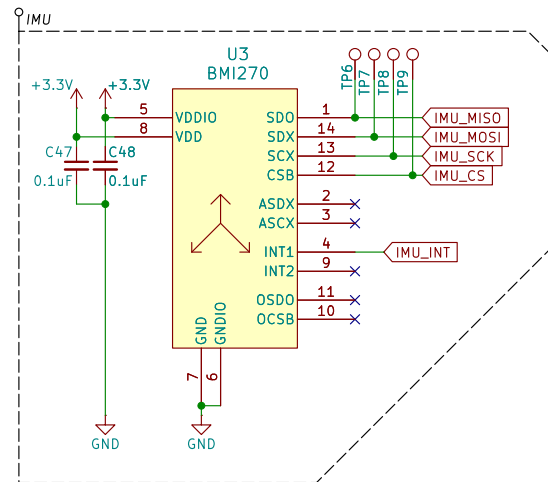
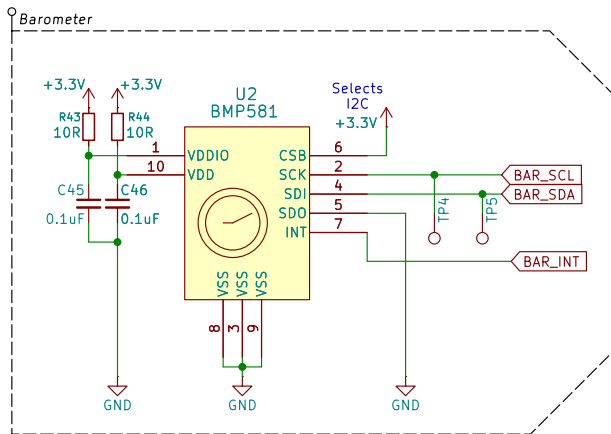
Size: A5

Date: 2026-08-06

Rev: V0.1

KiCad E.D.A. 10.0.5

Id: 3/5



SENSORS

Me.Inc

Sheet: /Sensors/

File: sensors.kicad_sch

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KiCad E.D.A. 10.0.5

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OUTSIDE CONNECTIONS

USB connector

J51
USB4216-03-A

VBUS
A4
TP10
A6
A7
A5
TP11
B5
R47 5.1K
R48 5.1K
A8
B8
SBU1
SBU2
A1
GND

750mA PTC
OZCJ0075AF2E
F1

USB_D+
USB_D-
D5
D-
D+
Data TVS
TPD2EUSB30DRTR
GND
3
VBUS TVS
D6
TPD4E10B06DPYR
1
2
+5V_USB

Buzzer's mosfet

+5V
Flyback diode
D4
RB530SM-30T2R

BZ-
Q1
2N7002
BUZZER
100R
R46
1
2
100K
R45
GND
GND

VTX and ESC connectors

J52
SM06B-SRSS-TB_LF_SN_

6
5
4
3
2
1
MP2
MP1
8
7
GND

No dji remote support
VTX_TX
VTX_RX
+10V
GND

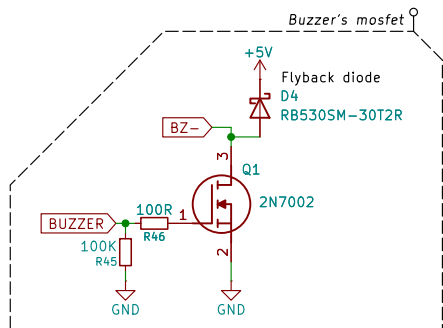
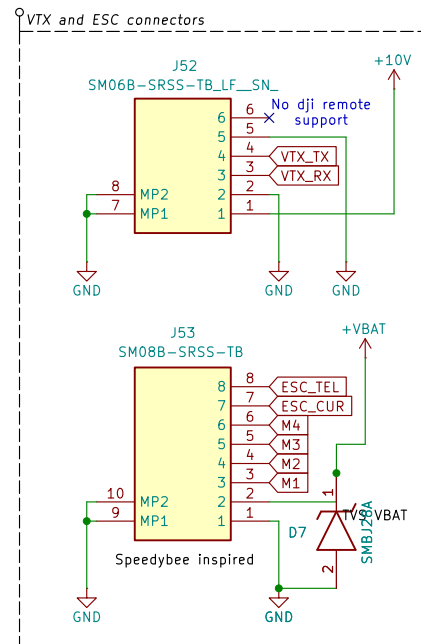
J53
SM08B-SRSS-TB

8
7
6
5
4
3
2
1
MP2
MP1
10
9
GND

ESC_TEL
ESC_CUR
M4
M3
M2
M1
+VBAT
VBAT
SMBJ28A
D7
GND

Speedybee inspired

Me.Inc		
Sheet: /Outside connections/ File: outside.kicad_sch		
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KiCad E.D.A. 10.0.5		Id: 5/5



Me.Inc

Sheet: /Outside connections/

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