01 Description

File: 01 Description.kicad_sch

02 Block

File: 02 Block.kicad_sch

03 Power

File: 03 Power.kicad_sch

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Sheet: /
File: reCamera Basically Board.kicad_sch

Title:

Size: A3 | Date: 2024-10-22 | Design: | Rev: v0.9
KiCad E.D.A. 8.0.5 | Id: 1/4

Version	Descriptions	Date	Name
v1.0	Initial version	2024/6/7	Linus.Liao
v1.1			
v1.2			
v1.3			

XT30(2+2)

12V~24 V Input

2.6A FUSE

Overvoltage Protection

12V~24 V Input

6P-1.0-Header
To BLDC

CAN

6P-1.0-Header
To BLDC

CAN

seeed studio

Power in & Overvoltage Protection

J1
ST−XT30(2+2)PW−M

24V_IN1

F1
2016L260/24MR
DC24V−2.6A

24V_IN2

TP1

Q1
CJAC70P06
60V, 70A

24V

TP2

D1
SMBJ24CA
24V

CAN_L   CAN_H

R1
2R
1%

R2
47K
1%

R5
20K
1%

C1 100nF
50V,X7R

D2
SM05−7
5V

C3
2.2uF
100V

R3
0R
5%

Q2
MMBT3906LT3G

R7 1K
1%

C4
100pF
50V

C2
47uF
35V,Aluminum

GND

GND

R6 100K
1%

R4
5.1K
1%

U1
ATL431AIDBZR
2.5V−36V

R8 1M
1%

R9
100K
1%

TP3

Overvoltage Protection:

Max: 25.66V

Normal: 25.54V

Mini: 25.4V

To Motor

24V

C5
10uF
50V,X7R

C6
100nF
50V,X7R

J2
SM06B−SRSS−TB(LF)(SN)

TP5   CAN_H   **R10** 0R

TP6   CAN_L   **R11** 0R
5%

GND   GND

To Motor

24V

C7
10uF
50V,X7R

C8
100nF
50V,X7R

J3
SM06B−SRSS−TB(LF)(SN)

CAN_H   **R12** 0R

CAN_L   **R13** 0R
5%

GND   GND

Sheet: /03 Power/
File: 03 Power.kicad_sch
Title: Temporary Project
Size: A3   Date: 2024−10−22   Design:
Rev: v0.9
KiCad E.D.A. 8.0.5
Id: 4/4