

Title		
Size A4	Number	Revision
Date:	7/17/2024	Sheet of
File:	E:\freetime_works\...\CarPower.SchDoc	Drawn By:

1

2

3

4

A

A

B

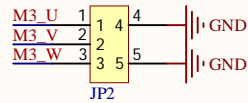
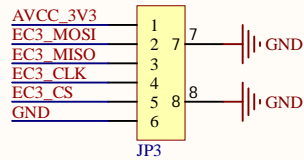
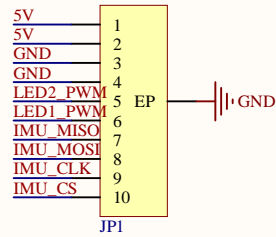
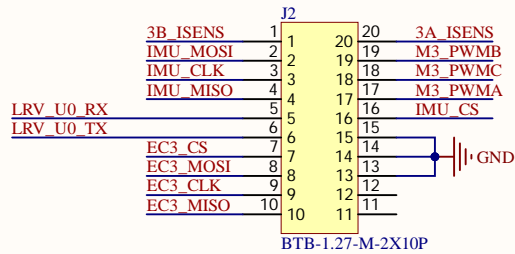
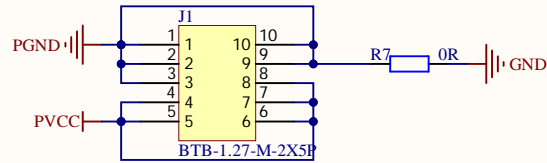
B

C

C

D

D



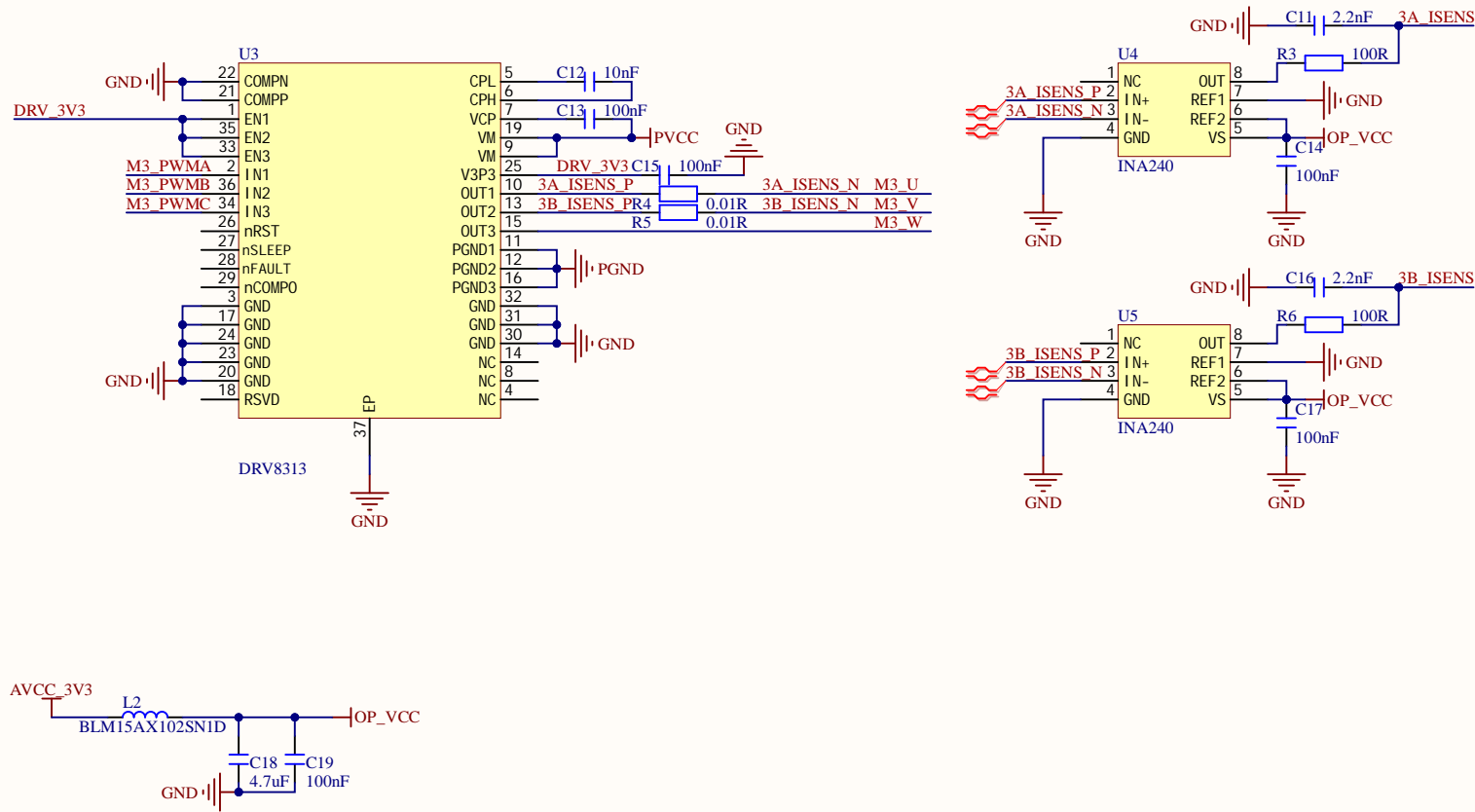
Title		
Size	Number	Revision
A4		
Date:	7/17/2024	Sheet of
File:	E:\freetime_works\...\Connector.SchDoc	Drawn By:

1

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Title		
Size	Number	Revision
A4		
Date:	7/17/2024	Sheet of
File:	E:\freetime_works\...\GimbalFPV.SchDoc	Drawn By:

MdBBCar

EV3
MOSI
MISO
CLK
CS
GND

CenterBoard

1-TOP 2-GND 3-PWR 4-BOT

Comment	Description	Designator	Footprint	LibRef	Quantity
22uF	无极性贴片电容	C1, C2	C 0805_L	C	2
22uF	无极性贴片电容	C3, C4	C 0603_L	C	2
100nF	无极性贴片电容	C5, C6, C13, C14, C15, C17, C19	C 0402_L	C	7
10uF	无极性贴片电容	C7, C9	C 0402_L	C	2
1uF	无极性贴片电容	C8, C10	C 0402_L	C	2
2.2nF	无极性贴片电容	C11, C16	C 0402_L	C	2
10nF	无极性贴片电容	C12	C 0402_L	C	1
4.7uF	无极性贴片电容	C18	C 0402_L	C	1
BTB-1.27-M-2X5P		J1	1.27-M-2X5P	M-2X5P	1
BTB-1.27-M-2X10P		J2	1.27-M-2X10P	M-2X10P	1
FPC1.0-10P	FPC连接器	JP1	FPC0.5 1H-WS-10P	FPC-10P	1
HDR-1X3	3P接插件	JP2	GH 1.25-LS-3P	Header 3	1
HDR-1X6	6P接插件	JP3	GH1.25-LS-6P	Header 6	1
10uH	贴片功率电感	L1	L-0630	L-CD	1
BLM15AX102SN1D	小功率贴片电感	L2	L 0402	L	1
LiecheeRV-Nano	Sipeed MaixCAM模块	M1	LicheeRV-Nano(SDIO_NC)-半孔探针	LiecheeRV-Nano	1
200K	贴片电阻	R1, R2	R 0402_L	R	2
100R	贴片电阻	R3, R6	R 0402_L	R	2
0.01R	电流检测电阻	R4, R5	RI 1206	R-I	2
0R	贴片电阻	R7	R 1206_L	R	1
TPS564201	3A 4.5V-17V输入同步	U1	SOT23-6L	TPS563200	1
CJ6206A33M	三端稳压芯片 6V 250mA	U2	SOT23-3L	LN6206PXXX	1
DRV8313	集成FET的3路半桥驱动器 3A	U3	VQFN-36-6X6	DRV8313	1
INA240	PWM抑制电流检测芯片	U4, U5	SSOP8_L	INA240	2