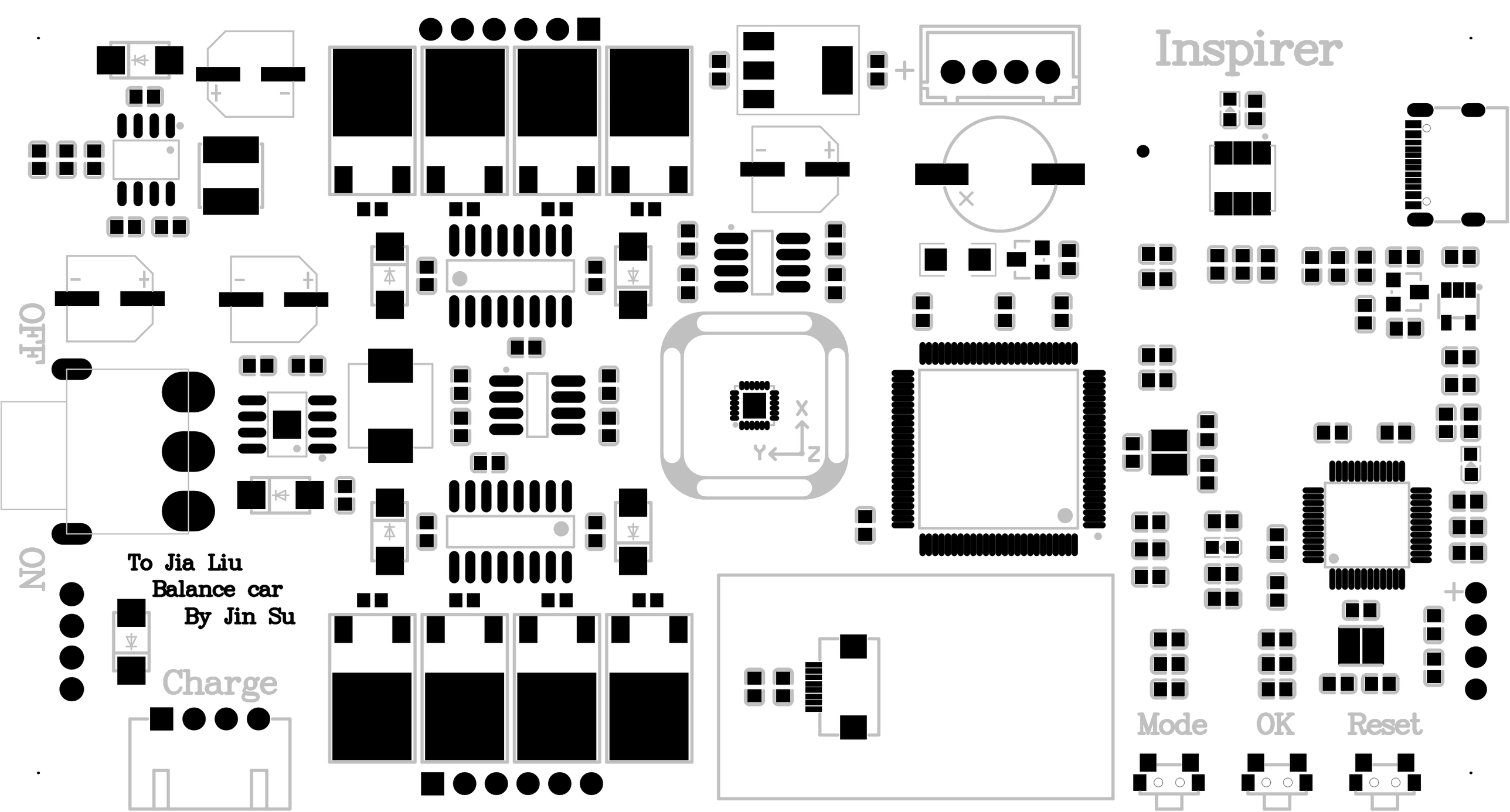
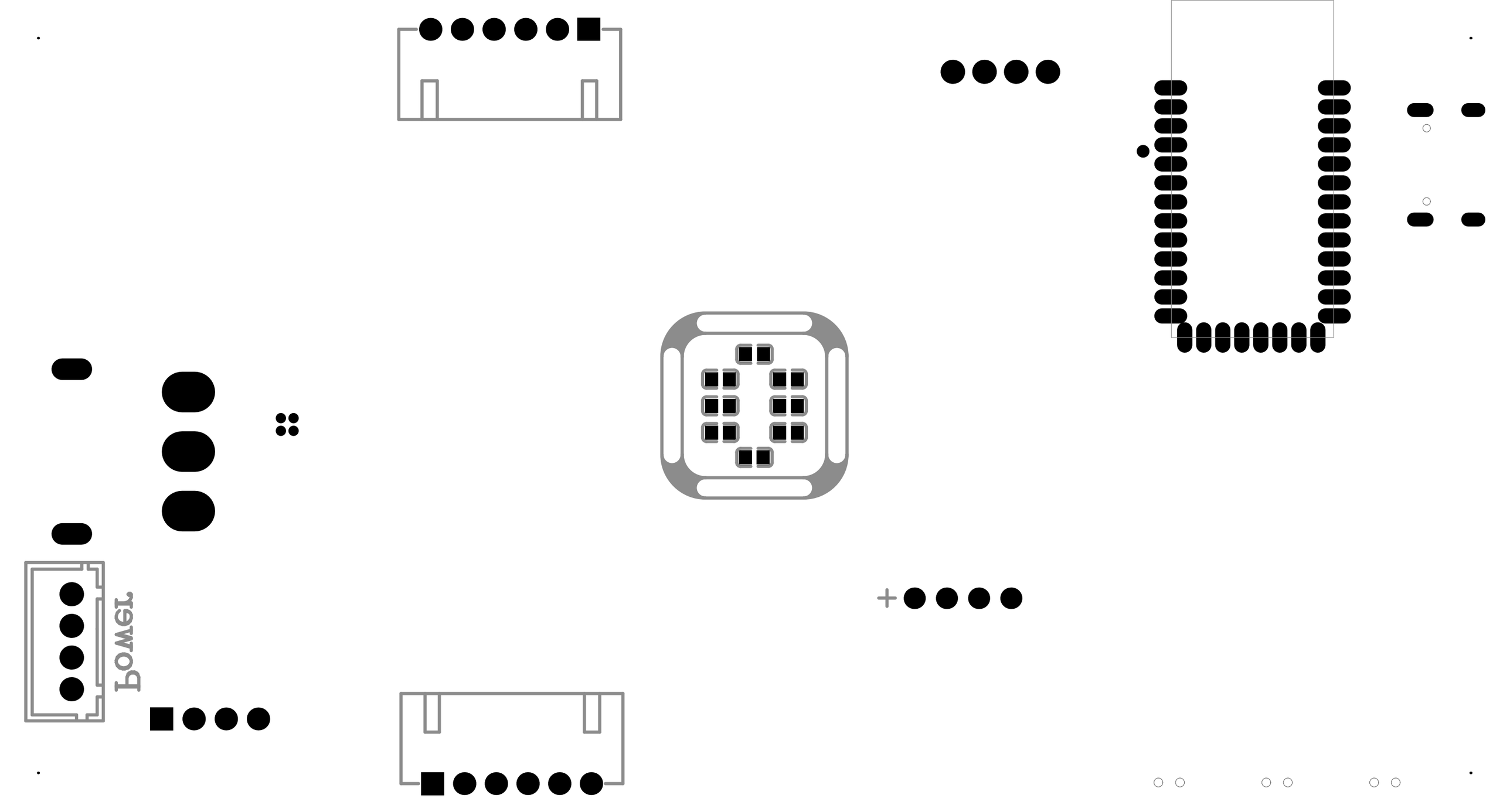

Inspirer
OFF
ON
To Jia Liu
Balance car
By Jin Su
Charge
Mode
OK
Reset
X
Y
Z


Power

Comment	Description	Designator	Footprint	LibRef	Quantity
GSC9045YB-16R2700	无源蜂鸣器	B1	BUZ-SMD_GSC9045YB-16R2700	GSC9045YB-16R2700	1
1uF	C0603	C1, C5, C6, C9, C16, C18	0603-JLC-C	Cap	6
0.01uf	C0603	C2, C13	0603-JLC-C	普通电容, Cap	2
220uF/16V	6.3*5.3mm铝电解电容	C3	SMD,6.3x5.3mm	SMD_ECAP	1
220uF/25V	贴片铝电解电容 SMD,6.3x5.8mm	C4, C12	SMD,6.3x5.8mm	CAP极性	2
100uF/16V	6.3*5.3mm铝电解电容	C7	SMD,6.3x5.3mm	SMD_ECAP	1
104	C0603, [NoValue]	C8, C11, C14, C15, C17, C21, C22, C23, C25, C26, C27, C28, C29, C30, C31, C32, C33, C35, C36, C37, C38	0603-JLC-C	Cap, CAP_0805	21
100pF		C10	0603-JLC-C	CAP_0805	1
20pF	C0603	C19, C20, C24, C34	0603-JLC-C	Cap	4
BAT_4P	卧式XH2.54 4P	CN1	CONN-TH_4P-P2.50_HX25003-4A	Header 4	1
Motor1	卧式XH2.54 6P	CN2	CONN-TH_6P-P2.50_X8821WR-06S-N2SN	Motor	1
Motor2	卧式XH2.54 6P	CN4	CONN-TH_6P-P2.50_X8821WR-06S-N2SN	Motor	1
Charge	卧式XH2.54 4P	CN5	CONN-TH_4P-P2.54_X8821WR-06S-N2SN	Header 4	1
LiDAR	卧式XH2.54 4P	CN7	CONN-TH_4P-P2.50_HX25003-4A	Header 4	1
SS34	肖特基二极管	D1, D2, D3, D4, D5, D6	SMA(DO-214AC)	DIODE SCHOTTKY	6
RGB5050	5050灯珠	D7	LED-SMD_6P-L5.0-W5.0-FD	RGB5050	1
1N4148	Diode	D8	1206	DIODE	1
LED	0603白色LED	D9, D10, D12	0603LED	LED3	3
SMAJ15A	单向TVS管	D11	SMA(DO-214AC)	DIODE ZENER	1
AFC24-S08FIC-00	间距:0.5mm;触点数量:8;锁定特性:翻盖式;安装类型:卧贴;触点类型:双侧触点/上下接;	FPC1	FPC-SMD_P0.50-8P-QCHF-SM-H2.0	AFC24-S08FIC-00	1
TS24CA		K1, K2, K3	SW-SMD_TS24CA	TS24CA	3
15UH	一体成型功率电感	L1	IND-SMD_L7.1-W6.6	L	1
150uH	Inductor	L2	IND-SMD_L5.0-W5.0_SMNR5040	Inductor	1
ST_SWD	Header, 4-Pin	P1	HDR1X4	Header 4	1
ISP	Header, 4-Pin	P2	HDR1X4	Header 4	1
RU3560L	NMOSFET	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	TO-252-3L	IRFR1205	8
33R	R0603	R1, R2, R8, R9, R16, R17, R18, R19	0603-RMOS	Res2	8
10k	R0603	R3, R5, R7, R12, R13, R15, R20, R30, R34, R35, R36, R39, R40, R42, R43, R44, R48, R49, R53, R54, R55, R58, R59, R60	0603-JLC-R	RES, Res2	24
1K	R0603	R4, R6, R11, R14, R41, R51, R56	0603-JLC-R	Res2	7
3.24k	R0603	R10	0603-JLC-R	RES	1
200R	[NoValue], R0603	R21, R27, R29, R32	0603-JLC-R	RES2_0805, Res2	4
1R		R22	0603-JLC-R	RES2_0805	1
1.5K	[NoValue], R0603	R23, R25, R31	0603-JLC-R	RES2_0805, Res2	3
13K		R24	0603-JLC-R	RES2_0805	1
0R/NC	R0603	R26	0603-JLC-R	Res2	1
1.5K/NC	R0603	R28	0603-JLC-R	Res2	1
22R	R0603	R33, R37	0603-JLC-R	Res2	2
51R	R0603	R38	0603-JLC-R	Res2	1
1MΩ	R0603	R45, R57	0603-JLC-R	Res2	2
10R	R0603	R46	0603-JLC-R	Res2	1
100R	R0603	R47, R50, R52	0603-JLC-R	Res2	3
开关		S1	拨动电源开关	slide_switch	1
SS8550	PNP三极管	T1	SOT-23	PNP	1
SS8050	NPN三极管	T2	SOT-23	2N3904	1
TPS5430DDAR	DCDC降压芯片	U1	SOIC-8_L5.0-W4.0-P1.27-LS6.0-BL-EP2.0	TPS5430DDAR	1
HIP4082	H桥驱动芯片	U2, U6	HIP4082b	HIP4082	2
OPA2350	两路运放芯片	U3, U4	SOP_8	OPA2350	2
1117-3.3	线性稳压3.3V	U5	SOT223	1117-3.3	1
MC34063		U7	SOP-8_L4.9-W3.9-P1.27-LS6.0-BL	MC34063	1
MPU9250		U8	QFN24 4x4	MPU9250	1
GD32F450VIT6	单片机	U9	LQFP-100_L14.0-W14.0-P0.50-LS16.0-BL	GD32F450VIT6	1
ME6212C33M5G	线性稳压3.3V	U10	ME6212C33M5G	ME6212C33M5G	1
STM32F103C8T6	单片机	U11	STM32F103C6T6	STM32F103C8T6	1
BT04-E01		U13	BT04-E02	BT04-E01	1
TYPE-C-31-M-31		USB1	USB-C-SMD_TYPE-C-31-M-31	TYPE-C-31-M-31	1
8MHz	贴片无源晶振	Y1	3225	XTAL	1
8M	贴片无源晶振	Y2	3225	XTAL	1