
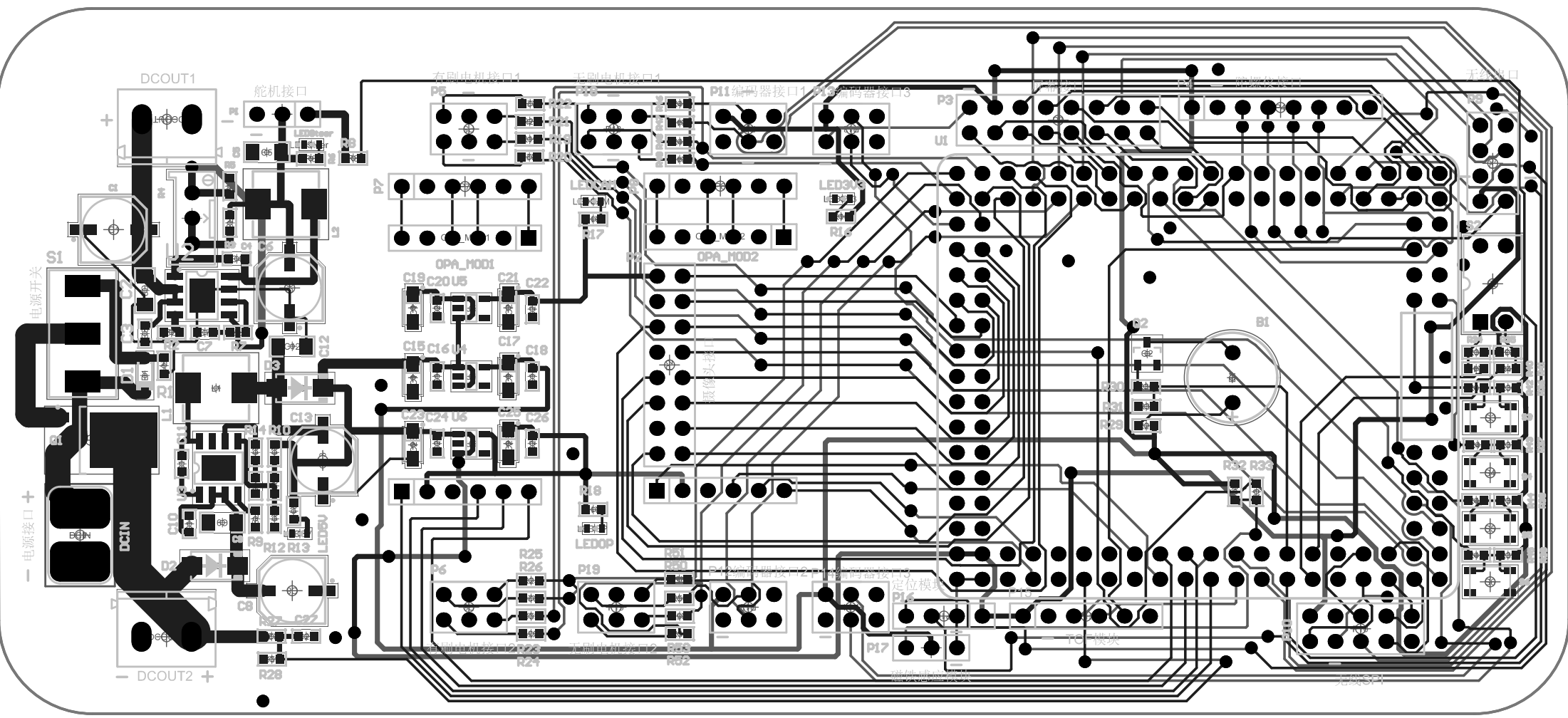


PROJECT					
PROJECT REVISION:		DOCUMENT REVISION:		DESIGN ITEM:	
Not in version control		Not in version control		Not in version control	
TITLE					
★					
SIZE	CAGE CODE	DWG NO.			REV
A3					
SCALE:	FILE NAME	SHEET		OF	
	main_board.SchDoc	1		1	



Comment	Description	Designator	Footprint	LibRef	Quantity
BEEP	蜂鸣器	B1	BEEP 9x5.5mm	BEEP	1
100uF 35V 铝电解	贴片电解电容 100uF 35V 6.3x7.7	C1, C8	CAP-E-S 6.3	E-S 100uF 35V 6.3x7.7	2
4.7uF 35V X5R	贴片瓷片电容; MLCC; 1206(3216);	C2, C9	CAPC3216[1206]S	4.7uF 1206 35V X5R	2
100nF 50V X7R	贴片瓷片电容; MLCC; 0603(1608);	C3, C4, C10, C11, C16, C18, C20, C22, C24, C26, C27	CAPC1608[0603]S-N	100nF 0603 50V X7R	11
47uF 25V X5R	贴片瓷片电容; MLCC; 1206(3216);	C5, C12	CAPC3216[1206]S	47uF 1206 25V X5R	2
220uF 25V 铝电解	贴片电解电容 220uF 25V 6.3x7.7	C6, C13	CAP-E-S 6.3	E-S 220uF 25V 6.3x7.7	2
4.7nF 50V X7R	贴片瓷片电容; MLCC; 0603(1608);	C7, C14	CAPC1608[0603]S-N	4.7nF 0603 50V X7R	2
10uF 16V 钽电容	贴片钽电容 10uF 3216 16V	C15, C17, C19, C21, C23, C25	CAP-T-S 3216	T-S 10uF 3216 16V	6
BZT52C16	稳压二极管 齐纳二极管 Zener Diode	D1	SOD-123-L	Diode Zen	1
SS54	SS54 肖特基二极管	D2, D3	SMA-L[DO-214AC]	SS54	2
T型插头	T型插头	DCIN	Wired T-Header ThroughHole	T_Header	1
KF/WJ/DG 30x connector	接线端子 2Pin	DCOUT1, DCOUT2	KF/WJ/DG 301-2p-5.0mm	KF/WJ/DG 30x	2
4.7uH 5A	功率电感	L1, L2	0630 TPC 7*7*3	Ind-Power	2
翠绿贴片LED	翠绿贴片LED	LED3V3, LED5V, LEDCAM, LEDOP, LEDSteer	LEDC1608(0603)-L	LED Chip Green	5
OPA_MOD	逐飞科技 运放模块	OPA_MOD1, OPA_MOD2	SEEKFREE_4CHANNEL_OPAMOD	OPA_4CHANNEL_SEE_KFREE	2
Header-D-M 1x3P	1x3pin, 直插, 排针	P1, P17	HDR1X3-M	Header-D-M 1x3P	2
Header-D-F 2x8P	2x8pin, 直插, 双排座	P2, P3	HDR2X8-F	Header-D-F 2x8P	2
Header-D-M 1x8P	1x8pin, 直插, 排针	P4	HDR1X8-M	Header-D-M 1x8P	1
Header-D-M 2x3P	2x3pin, 直插, 双排针	P5, P6, P11, P12, P13, P14, P18, P19	HDR2X3-M	Header-D-M 2x3P	8
Header-D-M 1x6P	1x6pin, 直插, 排针	P7, P8, P15	HDR1X6-M	Header-D-M 1x6P	3
Header-D-F 2x4P	2x4pin, 直插, 双排座	P9	HDR2X4-F	Header-D-F 2x4P	1
Header-D-F 2x5P	2x5pin, 直插, 双排座	P10	HDR2X5-F	Header-D-F 2x5P	1
Header-D-M 1x4P	1x4pin, 直插, 排针	P16	HDR1X4-M	Header-D-M 1x4P	1
HY19P03	HY19P03 P-Channel MOSFET	Q1	TO-252AA	HY19P03	1
S8050	NPN 三极管	Q2	SOT-23	NPN S8050	1
10K ±1%	贴片电阻	R1, R6, R12, R32	RESC1608[0603]S-N	Res-Chip	4
200K ±1%	贴片电阻	R2, R9, R27	RESC1608[0603]S-N	Res-Chip_1	3
27K ±1%	贴片电阻	R3	RESC1608[0603]S-N	Res-Chip_7	1
50K	可调电阻	R4	RESPOT3296W	Res-Adj-3p	1
8.2K ±1%	贴片电阻	R5	RESC1608[0603]S-N	Res-Chip_8	1
20K ±1%	贴片电阻	R7, R14, R28	RESC1608[0603]S-N	Res-Chip_4	3
100R ±1%	贴片电阻	R8, R19, R20, R21, R22, R23, R24, R25, R26, R33, R46, R47, R48, R49, R50, R51, R52, R53	RESC1608[0603]S-N	Res-Chip_9	18
51K ±1%	贴片电阻	R10	RESC1608[0603]S-N	Res-Chip_2	1
1.5K ±1%	贴片电阻	R11	RESC1608[0603]S-N	Res-Chip_5	1
4.7K ±1%	贴片电阻	R13, R30, R34, R35, R36, R37, R38, R39	RESC1608[0603]S-N	Res-Chip_3	8
2.7K ±1%	贴片电阻	R16, R17, R18	RESC1608[0603]S-N	Res-Chip_6	3
10R ±1%	贴片电阻	R29	RESC1608[0603]S-N	Res-Chip_10	1
1K ±1%	贴片电阻	R31	RESC1608[0603]S-N	Res-Chip_11	1
470R ±1%	贴片电阻	R40, R41, R42, R43, R44, R45	RESC1608[0603]S-N	Res-Chip_12	6
SW-SPDT	单刀双掷开关 3脚船型、钮子、拨动开关 SPDT Subminiature Toggle Switch	S1	SS12D10	SW-SPDT	1
SW DIP-2	2位拨码开关	S2	Code SW-2-DIP-2.54	Code SW-2	1
Button	按键	S3, S4, S5, S6	PTS810-3*4-CurvePin	KEY	4
TC264_CoreBoard	逐飞科技TC264核心板	U1	TC264_CoreBoard	TC264_CoreBoard	1
SP1N28STER	SP1N28STER	U2, U3	SOP-8E	SP1N28STER	2
RT9013-33	3.3V 500mA SOT-23-5 LDO	U4, U5, U6	SOT-23-5	RT9013-33	3