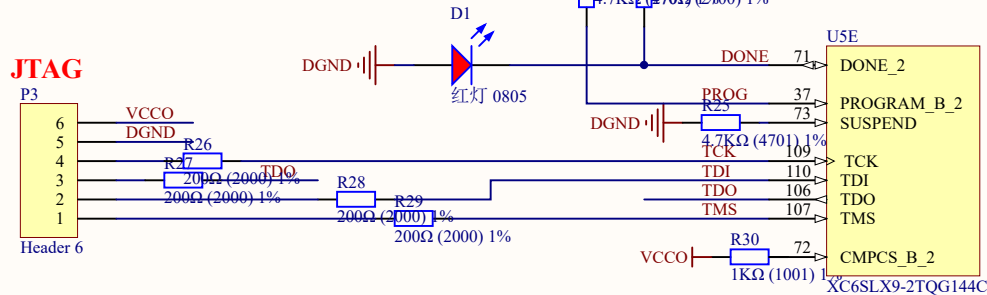
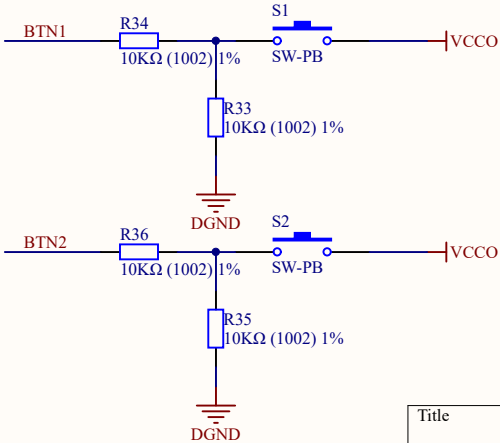
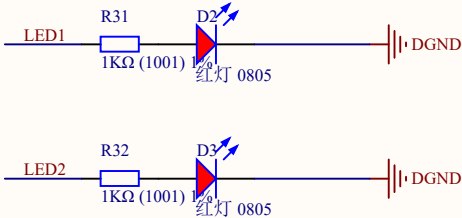
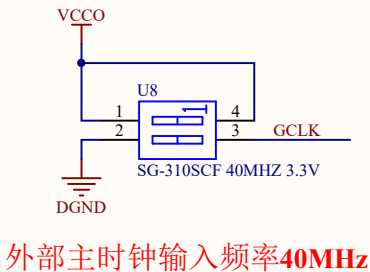


**PROG和DONE要处理**

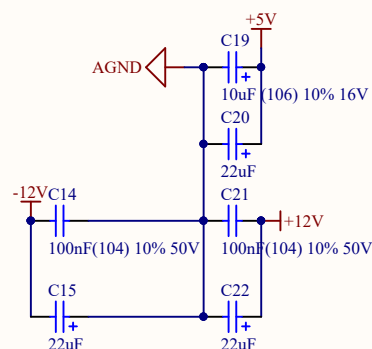
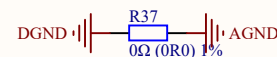
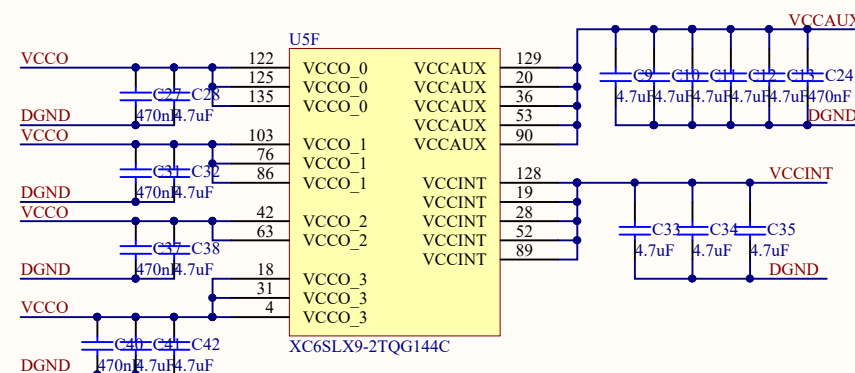
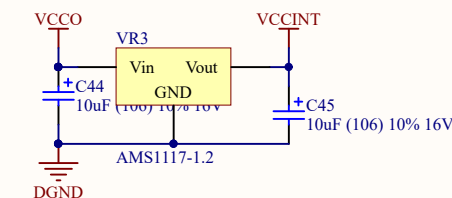
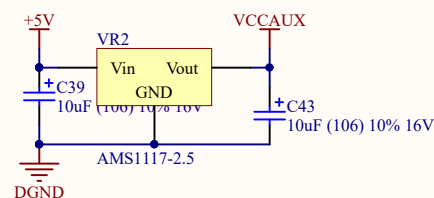
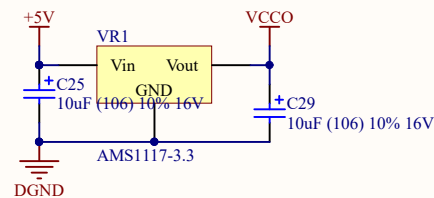
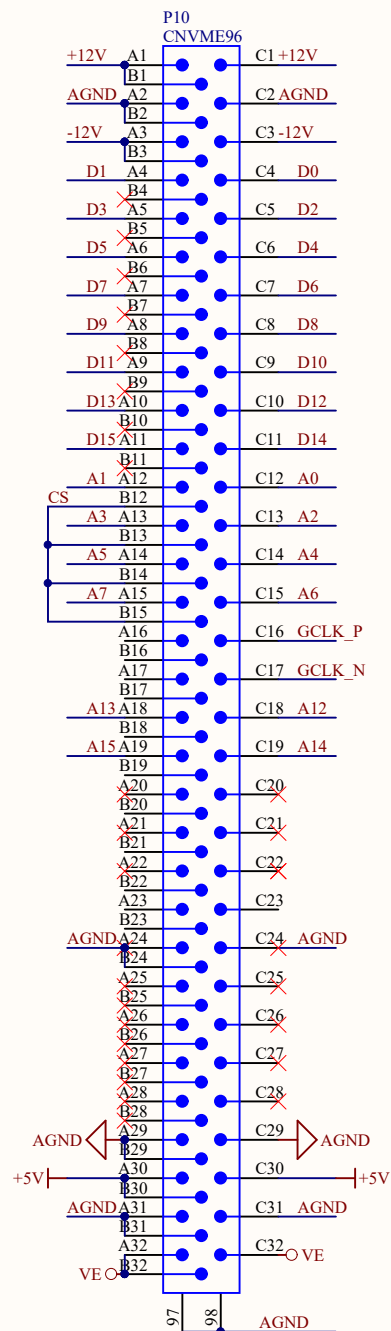


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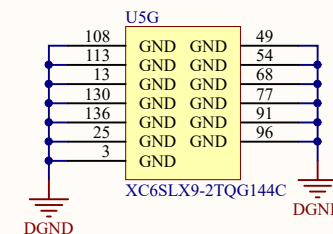




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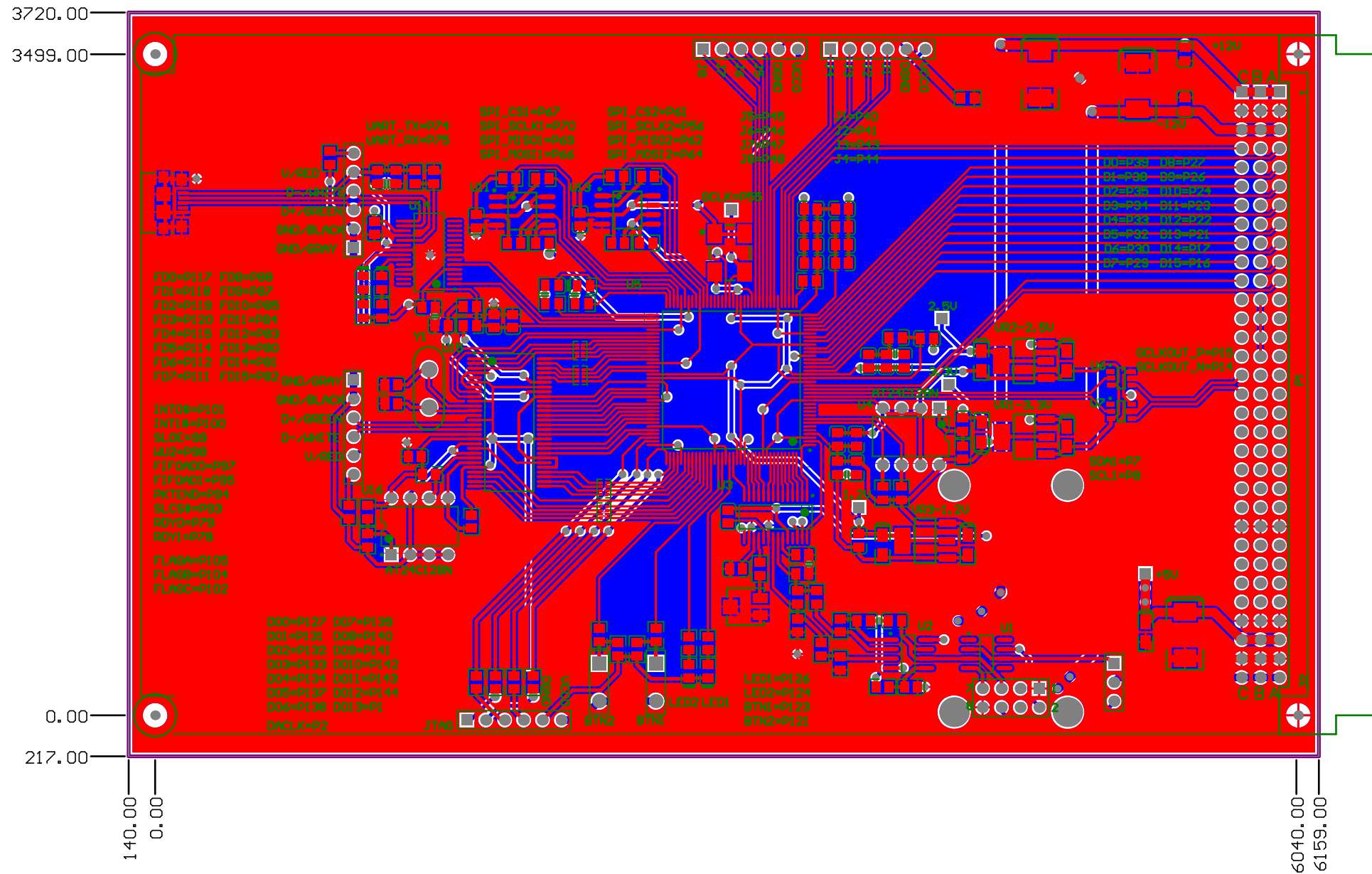
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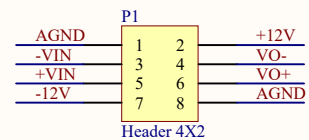


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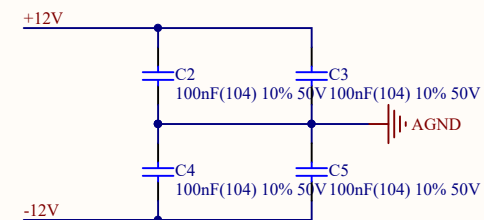
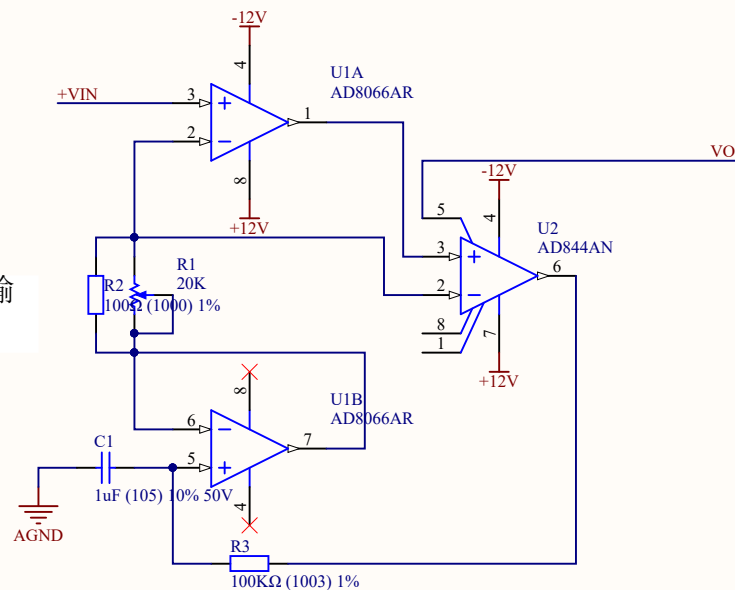
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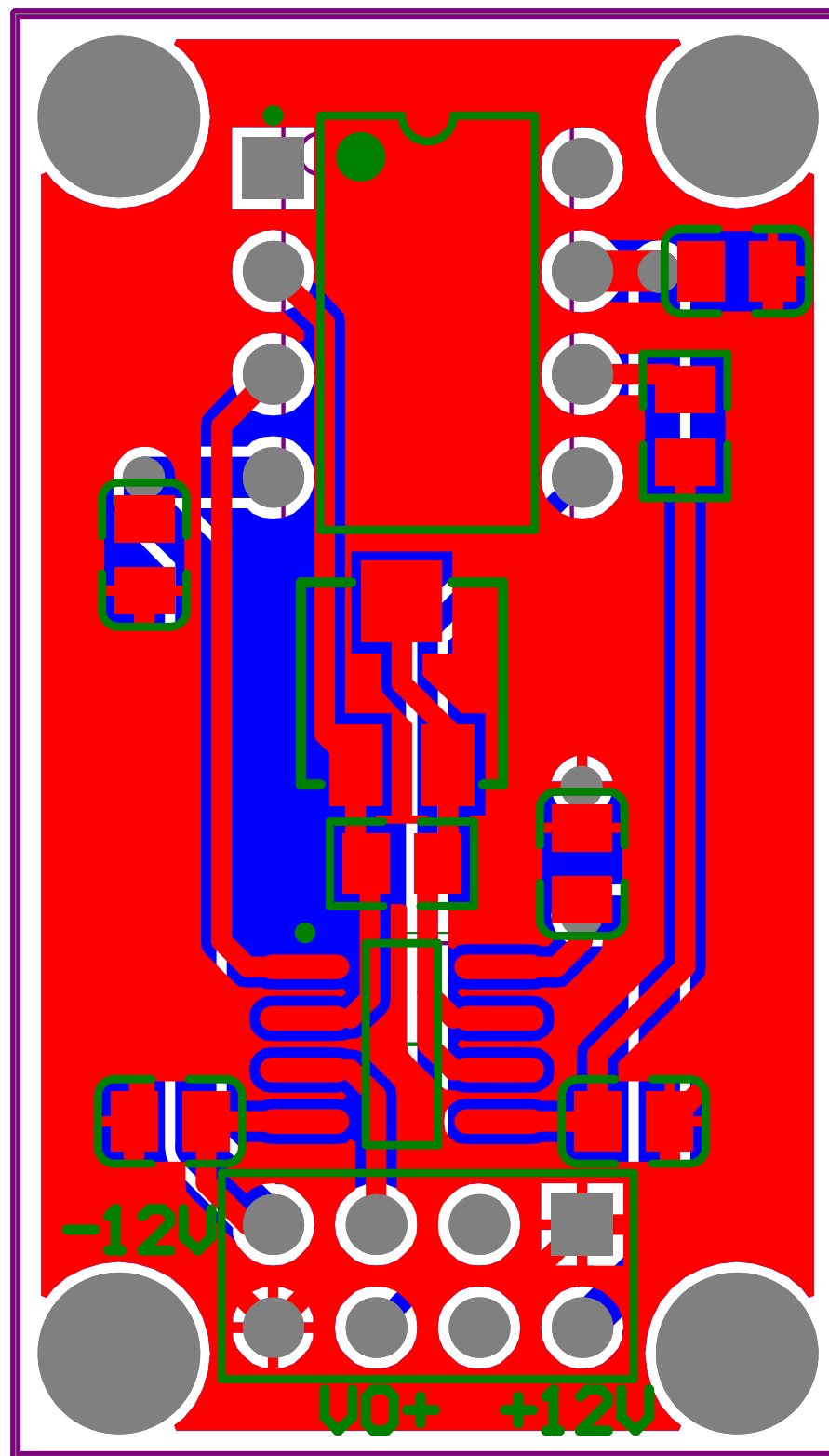
Comment	Description	Designator	Footprint	LibRef	Quantity
47pF (470) 5% 50V	贴片电容	C1, C3	LC-0805_C	0805 47pF (470) 5% 50V	2
22pF (220) 5% 50V	贴片电容	C2	LC-0805_C	0805 22pF (220) 5% 50V	1
100nF(104) 10% 50V	贴片电容	C4, C5, C6, C7, C8, C14, C21, C49, C51, C52	LC-0805_C	0805 100nF(104) 10% 50V	10
4.7uF	贴片电容	C9, C10, C11, C12, C13, C28, C32, C33, C34, C35, C38, C41, C42	LC-0805_C	0805 4.7uF (475) 10% 25V	13
22uF		C15, C20, C22	CASE-E_7343	钽电容	3
10uF (106) 10% 16V	钽电容	C19, C25, C29, C39, C43, C44, C45	LC-CASE-A_3216	3216 10uF (106) 10% 16V	7
470nF	贴片电容	C24, C27, C31, C37, C40	LC-0805_C	0805 470nF (474) 10% 50V	5
1uF (105) 10% 50V	贴片电容	C50, C53	LC-0805_C	0805 1uF (105) 10% 50V	2
12pF (120) 5% 50V	贴片电容	C54, C55	LC-0805_C	0805 12pF (120) 5% 50V	2
4.7uF (475) 10% 25V	贴片电容	C56, C57	LC-0805_C	0805 4.7uF (475) 10% 25V	2
47nF (473) 10% 50V	贴片电容	C58	LC-0805_C	0805 47nF (473) 10% 50V	1
红灯 0805	发光二极管	D1, D2, D3, D4, D5	LC-0805_LED_S1	0805 红灯	5
1981568-1	Micro USB Receptacle Standard Type B Assy, 5-Pin SMD, RoHS, Tape and Reel	J1	TECO-1981568-5_V	1981568-1	1
Header 3	Header, 3-Pin	P1	HDR1X3	Header 3	1
Header 4X2	Header, 4-Pin, Dual row	P2	HDR2X4	Header 4X2	1
Header 6	Header, 6-Pin	P3, P4, P5, P6, P7	HDR1X6	Header 6	5
CNVME96	96-Pin Connector (3x32 2.54mm grid)	P10	CNVME96	CNVME96	1
1.8KΩ (1801) 1%	贴片电阻	R1, R9	LC-0805_R	0805 1.8KΩ (1801) 1%	2
49.9Ω (49R9) 1%	贴片电阻	R2, R8	LC-0805_R	0805 49.9Ω (49R9) 1%	2
100Ω (1000) 1%	贴片电阻	R3, R6, R11, R13, R15, R19, R20, R22	LC-0805_R	0805 100Ω (1000) 1%	8
1KΩ (1001) 1%	贴片电阻	R4, R5, R30, R31, R32, R42, R43	LC-0805_R	0805 1KΩ (1001) 1%	7
2KΩ (2001) 1%	贴片电阻	R7, R17, R18, R66, R67	LC-0805_R	0805 2KΩ (2001) 1%	5
20K	Square Trimming Potentiometer	R10	POT4MM-2	RPot 5M	1
10KΩ (1002) 1%	贴片电阻	R12, R16, R33, R34, R35, R36, R44, R69, R70, R71	LC-0805_R	0805 10KΩ (1002) 1%	10
4.7KΩ (4701) 1%	贴片电阻	R14, R21, R23, R25, R45	LC-0805_R	0805 4.7KΩ (4701) 1%	5
270Ω (2700) 1%	贴片电阻	R24	LC-0805_R	0805 270Ω (2700) 1%	1
200Ω (2000) 1%	贴片电阻	R26, R27, R28, R29	LC-0805_R	0805 200Ω (2000) 1%	4
0Ω (0R0) 1%	贴片电阻	R37	LC-0805_R	0805 0Ω (0R0) 1%	1
100KΩ (1003) 1%	贴片电阻	R46	LC-0805_R	0805 100KΩ (1003) 1%	1
33Ω (330) 5%	贴片排阻	R52, R54, R58, R62	LC-0402_Rx4	0402*4 33Ω (330) 5%	4
1MΩ (1004) 1%	贴片电阻	R63, R68	LC-0805_R	0805 1MΩ (1004) 1%	2
SW-PB	Switch	S1, S2	SPST-2	SW-PB	2
AD817AR	Single Channel Low Power Operational Amplifier, 50 MHz BW, 350 V/us SR, Industrial, 8-pin SOIC (R-8), Tube	U1	ADI-R-8_N	AD817AR	1
AD8066AR	Double Channel Low Power Operational Amplifier, 145 MHz BW, 180 V/us SR, Industrial, 8-pin SOIC (R-8), Tube	U2	ADI-R-8_N	AD8066AR	1
AD9764ARZ	Imported	U3	RU-28_N	AD9764ARZ	1
AT24C128N	1Kbit (128 x 8), 2-wire Bus Automotive Serial EEPROM with Write Protect, 2.5V, 8-Pin TSSOP, Bulk	U4, U16	8P3	AT24C128N	2
XC6SLX9-2TQG144C	Spartan-6 LX 1.2V FPGA, 102 User I/Os, 144-Pin TQFP (0.5mm Pitch), Speed Grade 2, Commercial Grade, Pb-Free	U5	TQG144_N	XC6SLX9-2TQG144C	1
SN74LVC1G14		U6, U7	SOT-23-5	SN74LVC1G14	2
SG-310SCF 40MHZ 3.3V	DIP Switch, 2 Position, SPST	U8	LC-SMD-7050_4P	SW DIP-2	1
W25Q64		U11, U13	LC-SOIC-8_208mil	W25Q64	2
FT232RL-Reel	USB UART Asynchronous Serial Data Transfer Chip, SSOP-28, Tape and Reel	U14	SSOP-28_N	FT232RL-Reel	1
CY7C68013A-56PVXC	EZ-USB FX2LP USB Microcontroller Ideal for Non-Battery Powered Applications,16K RAM, 24 I/Os, 56-Pin SSOP, Pb-Free, Commercial Grade	U15	O56_N	CY7C68013A-56PVXC	1
AMS1117-3.3	低压差线性稳压(LDO)	VR1	LC-SOT-223	SOT-223 AMS1117-3.3	1
AMS1117-2.5	低压差线性稳压(LDO)	VR2	LC-SOT-223	SOT-223 AMS1117-2.5	1
AMS1117-1.2	低压差线性稳压(LDO)	VR3	LC-SOT-223	SOT-223 AMS1117-1.2	1
24MHZ	Crystal Oscillator	Y1	XTAL5	XTAL	1



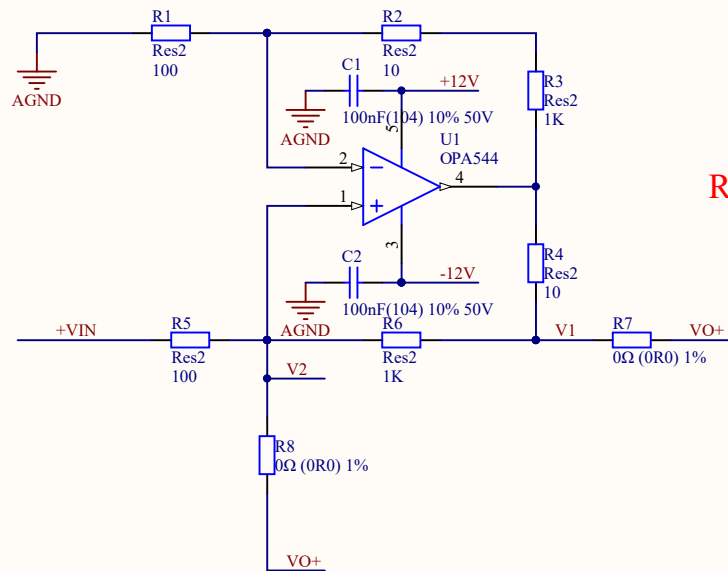
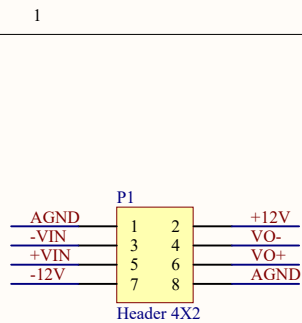
可调电阻，调节输出电流大小



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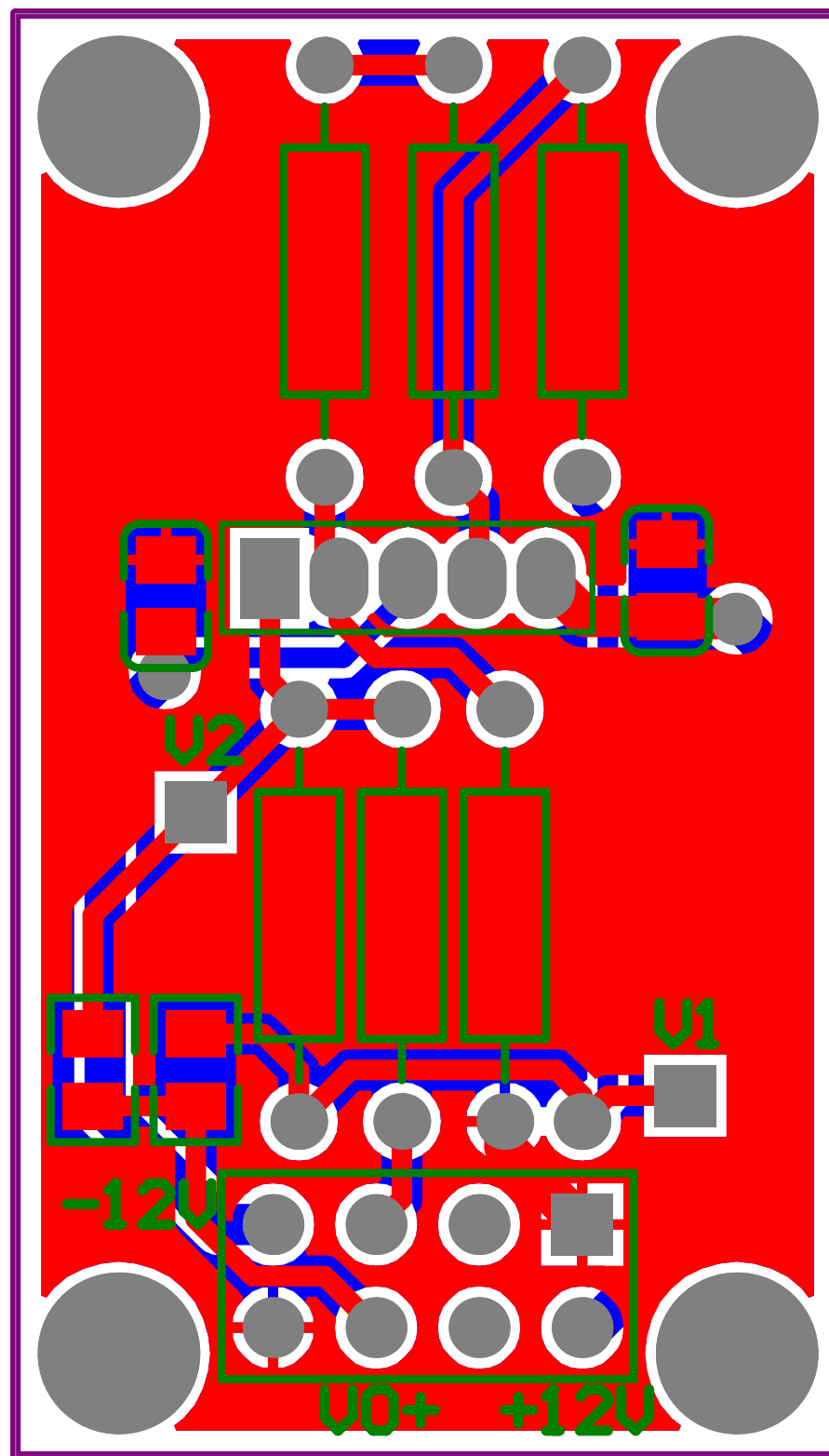


Comment	Description	Designator	Footprint	LibRef	Quantity
1uF (105) 10% 50V	贴片电容	C1	LC-0805_C	0805 1uF (105) 10% 50V	1
100nF(104) 10% 50V	贴片电容	C2, C3, C4, C5	LC-0805_C	0805 100nF(104) 10% 50V	4
Header 4X2	Header, 4-Pin, Dual row	P1	HDR2X4	Header 4X2	1
20K	Square Trimming Potentiometer	R1	POT4MM-2	RPot SM	1
100Ω (1000) 1%	贴片电阻	R2	LC-0805_R	0805 100Ω (1000) 1%	1
100KΩ (1003) 1%	贴片电阻	R3	LC-0805_R	0805 100KΩ (1003) 1%	1
AD8066AR	Double Channel Low Power Operational Amplifier, 145 MHz BW, 180 V/us SR, Industrial, 8-pin SOIC (R-8), Tube	U1	ADI-R-8_N	AD8066AR	1
AD844AN	Single Channel Wide Bandwidth Differential Line Driver	U2	ADI-N-8	AD844AN	1



R4大电阻

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Comment	Description	Designator	Footprint	LibRef	Quantity
100nF(104) 10% 50V	贴片电容	C1, C2	LC-0805_C	0805 100nF(104) 10% 50V	2
Header 4X2	Header, 4-Pin, Dual row	P1	HDR2X4	Header 4X2	1
Res2	Resistor	R1, R2, R3, R4, R5, R6	AXIAL-0.4	Res2	6
0Ω (0R0) 1%	贴片电阻	R7, R8	LC-0805_R	0805 0Ω (0R0) 1%	2
OPA544	Imported	U1	TO-220-5	OPA544	1