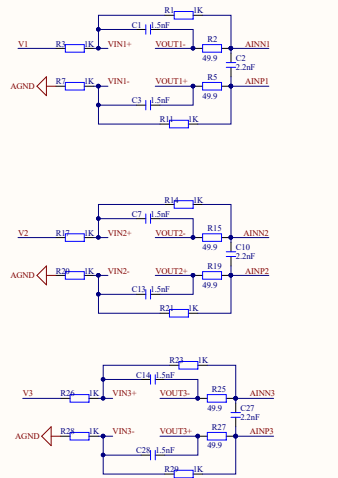
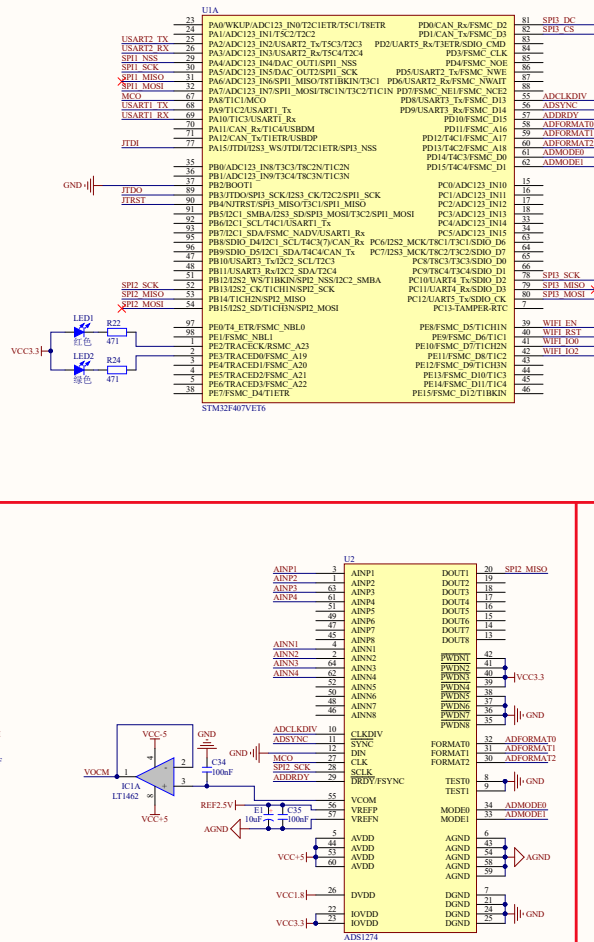


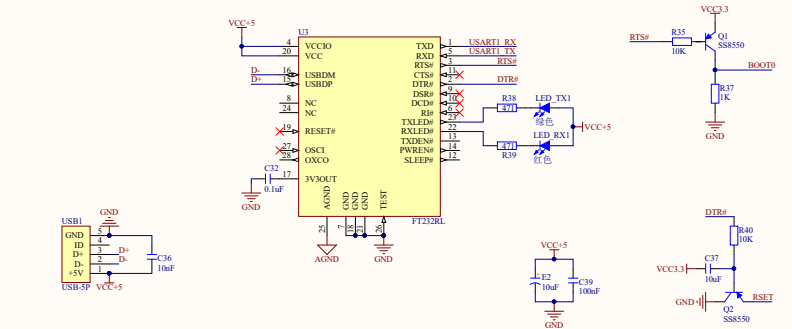
## 电压AD采集电路



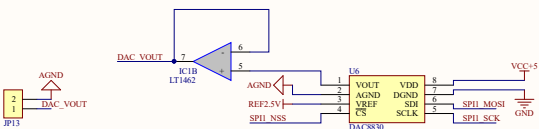
## STM32通讯与数据处理



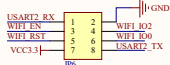
## 串口下载电路



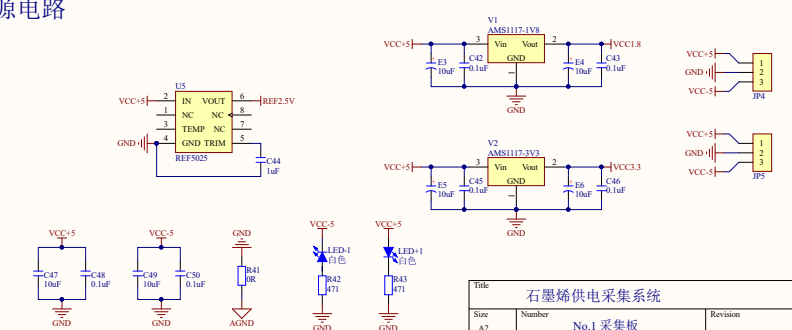
## 10mV稳压电路 (DAC稳压)



## WIFI模块

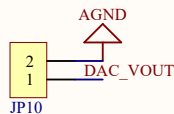
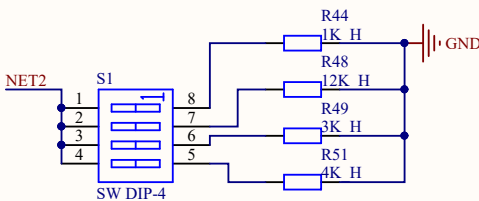
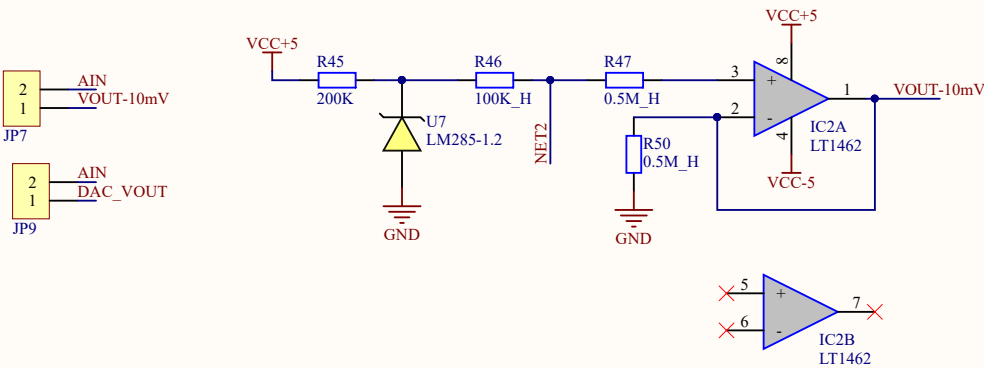


## 电源电路

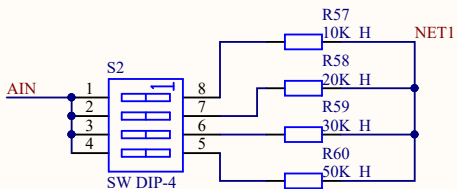
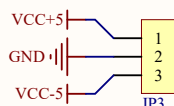
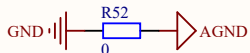
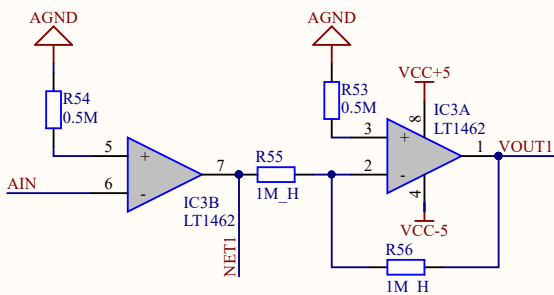


Title 石墨烯供电采集系统			
Size A2	Number No.1 采集板	Revision	
Date: 2018/4/21	File: D:\Bios\src\stm32\No.1 采集板\src\SchDoc	Sheet of 1	Drawn By: 李阳

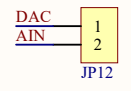
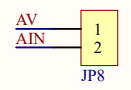
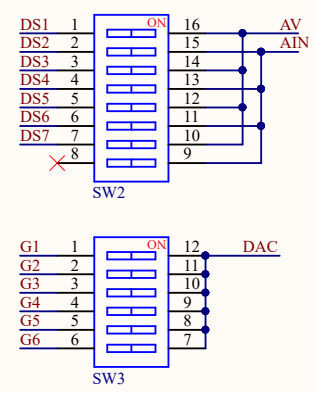
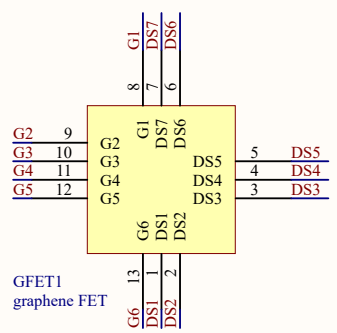
10mV稳压电路（功放稳压）



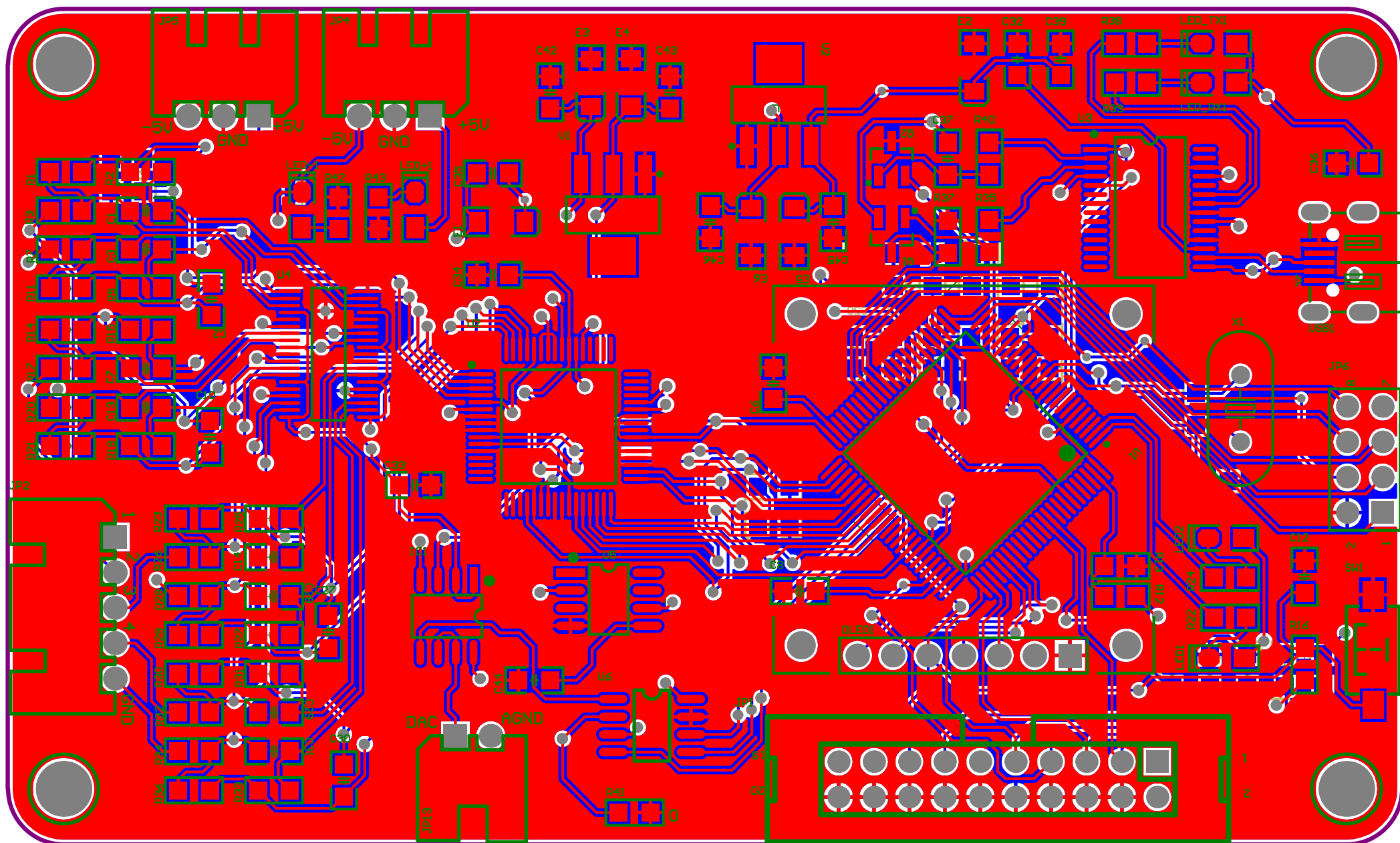
功放电路

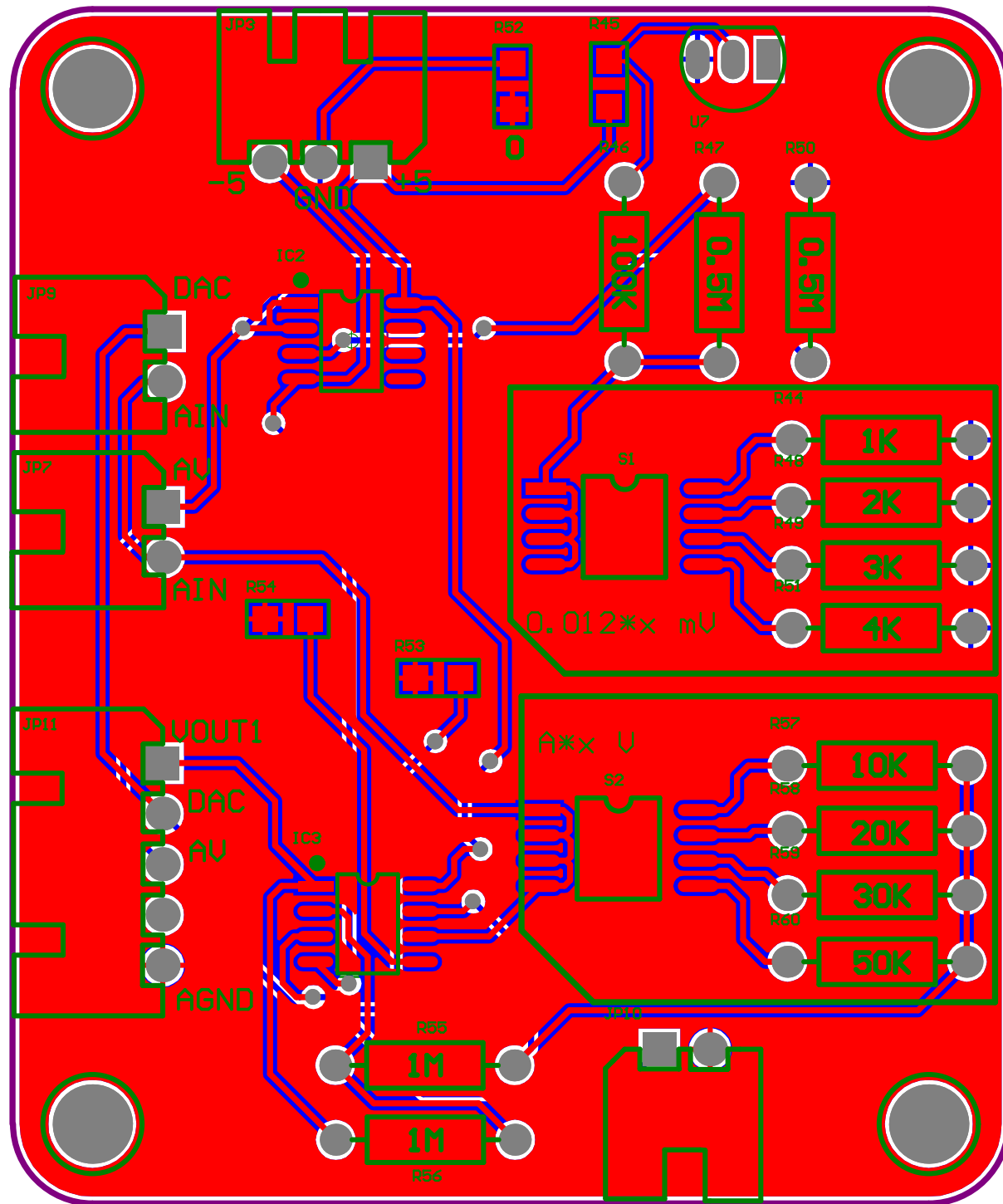


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File:	D:\BaiduCloud\...\No.2 运放板.SchDoc	Drawn By:	



Title			
Size	Number		Revision
A4			
Date:	2018/4/21		Sheet of
File:	D:\BaiduCloud\...\No.3 跳线板.SchDoc		Drawn By:





Hz Board V5.0  
No.3 Jump Line

SW3

Q1

Q1

ZMS

DS5

DS4

DS3

DS2

DS1

DS2

DS3

DS3

DS4

DS5

G1

DS7

DS6

JP12

DAC

JP8

AV

GFET1

# Bill of Materials

石墨端供电采集系统

Source Data From: HZ\_Project.PrjPcb  
Project: HZ\_Project.PrjPcb  
Variant: None

Creation Date: 2018/4/21 16:13:54  
Print Date: 43211 43211.67664

Footprint	Comment	LibRef	Designator	Description	Quantity
C 0805_M	1.5nF	C	C1, C3, C7, C13, C14, C28, C29, C31	无极性贴片电容	8
C 0805_M	2.2nF	C	C2, C10, C27, C30	无极性贴片电容	4
C 0805_M	100nF	C	C4, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C33, C34, C35, C39	无极性贴片电容	16
C 0805_M	1uF	C	C5, C48	无极性贴片电容	2
C 0805_M	2.2uF	C	C8, C8	无极性贴片电容	2
C 0805_M	22pF	C	C9, C11	无极性贴片电容	2
C 0805_M	10uF	C	C12, C37, C47, C49	无极性贴片电容	4
C 0805_M	4.7uF	C	C26	无极性贴片电容	1
C 0805_M	0.1uF	C	C32, C42, C43, C45, C46, C48, C50	无极性贴片电容	7
C 0805_M	10nF	C	C36	无极性贴片电容	1
CD A(3216)	10uF	C-CD, C-CM, C-CD, C-CD, C-CD, C-CD	E1, E2, E3, E4, E5, E6	贴片铝电容, 贴片电解电容, 贴片铝电容, 贴片铝电容, 贴片铝电容, 贴片铝电容	6
graphene FET	graphene FET	graphene FET	GFET1		1
SOP8_N	LT1462	LT1678	IC1, IC2, IC3	双运放	3
IDC2.54-LI-2x10P	Header 2X10	Header 10X2	JP1	10*2P接插件	1
XH2.54-WI-5P	HDR-1X5	Header 5	JP2, JP11	5P接插件	2
XH2.54-WI-3P	HDR-1X3	Header 3	JP3, JP4, JP5	3P接插件	3
HDR2.54-LI-2x4P	Header 4X2	Header 4X2	JP6	4*2P接插件	1
XH2.54-WI-2P	HDR-1X2	Header 2	JP7, JP8, JP9, JP10, JP12, JP13	2P接插件	6
LED 0805R	红色	LED-SMD	LED1, LED_RX1	贴片LED	2
LED 0805G	绿色	LED-SMD	LED2, LED_TX1	贴片LED	2
LED 0805W	白色	LED-SMD	LED+1, LED-1	贴片LED	2
OLED	OLED-0.96	OLED-0.96	OLED1		1
SOT23-3M	SS8550	8550-SMD	Q1, Q2	高频放大-PNP型	2
R 0805_M	1K	R	R1, R3, R7, R11, R14, R17, R20, R21, R23, R26, R28, R29, R30, R32, R34, R36, R37	贴片电阻	17
R 0805_M	49.9	R	R2, R5, R15, R19, R25, R27, R31, R33	贴片电阻	8
R 0805_M	10K	R	R4, R6, R8, R9, R10, R16, R35, R40	贴片电阻	8
R 0805_M	0	R	R12, R13, R52	贴片电阻	3
R 0805_M	1M	R	R18	贴片电阻	1
R 0805_M	471	R	R22, R24, R38, R39, R42, R43	贴片电阻	6
R 0805_M	0R	R	R41	贴片电阻	1
RS 1/4W	1K_H	R	R44	贴片电阻	1
R 0805_M	200K	R	R45	贴片电阻	1
RS 1/4W	100K_H	R	R46	贴片电阻	1
RS 1/4W	0.5M_H	R	R47, R50	贴片电阻	2
RS 1/4W	12K_H	R	R48	贴片电阻	1
RS 1/4W	3K_H	R	R49	贴片电阻	1
RS 1/4W	4K_H	R	R51	贴片电阻	1
R 0805_M	0.5M	R	R53, R54	贴片电阻	2
RS 1/4W	1M_H	R	R55, R56	贴片电阻	2
RS 1/4W	10K_H	R	R57	贴片电阻	1
RS 1/4W	20K_H	R	R58	贴片电阻	1
RS 1/4W	30K_H	R	R59	贴片电阻	1
RS 1/4W	50K_H	R	R60	贴片电阻	1
SO-8M	SW DIP-4	SW DIP-4	S1, S2	DIP Switch, 4 Position, SPST	2
TSW SMD-3*6*2.5	3x6x5	TSW 3x6	SW1	3x6轻触开关	1
CSW1.27 SMD-8P	CSW-8P	CSW-8P	SW2	8路编码开关	1
CSW1.27 SMD-6P	CSW-6P	CSW-6P	SW3	6路编码开关	1
LQFP-100_M	STM32F407VET6	STM32F407V	U1	STM32单片机100引脚	1
TOFP64-10*10	ADS1274	ADS1274/ADS1278	U2		1
SSOP28_N	FT232RL	FT232RL	U3	USB转串口	1
TSSOP-38 -duplicate	THS4524	THS4524	U4		1
SOP8_M	REF5025	REF5040	U5	高精度电压基准	1
SOP8	DAC8830	DAC8830	U6		1
TO92A	LM285-1.2	LM285-1.2	U7		1
USB-	USB-5P	USB-5P	USB1	微型USB母座	1
MICRO_D					
SOT223_M	AMS1117-1V8	AMS1117	V1	三端稳压芯片	1
SOT223_M	AMS1117-3V3	AMS1117	V2	三端稳压芯片	1
OSC HC-49S	8MHz	XTAL-2P	X1	2脚无源晶振	1

Approved	Notes