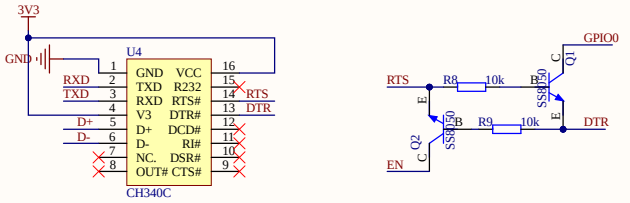
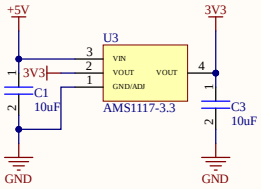
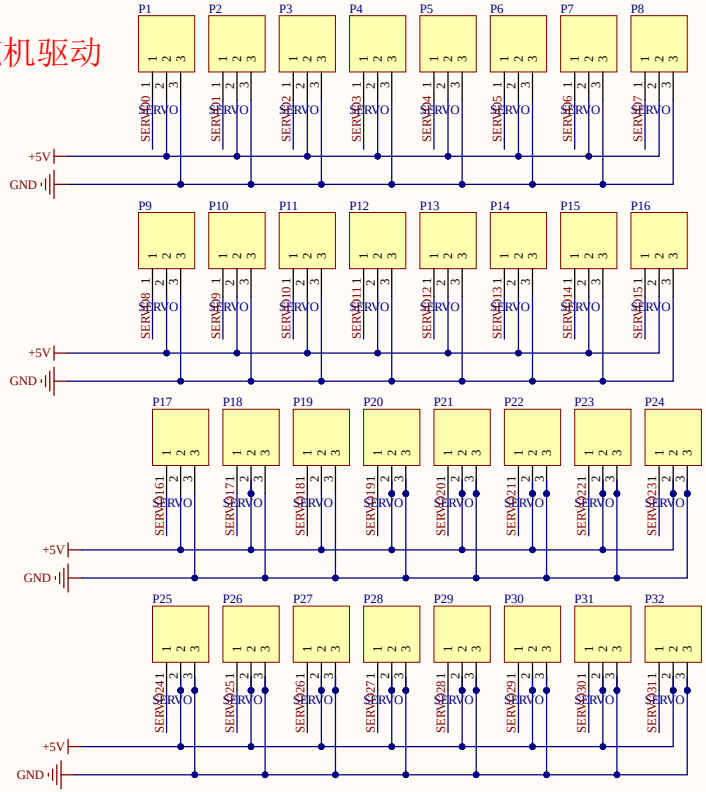
CH340烧录下载模块



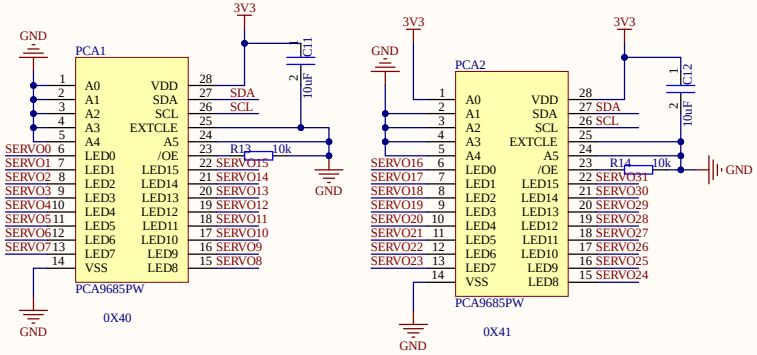
3V3稳压模块

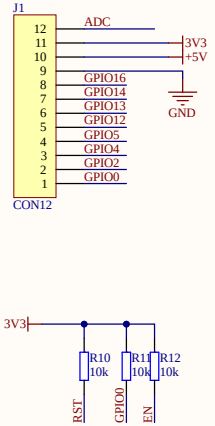


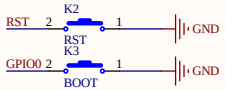
舵机驱动



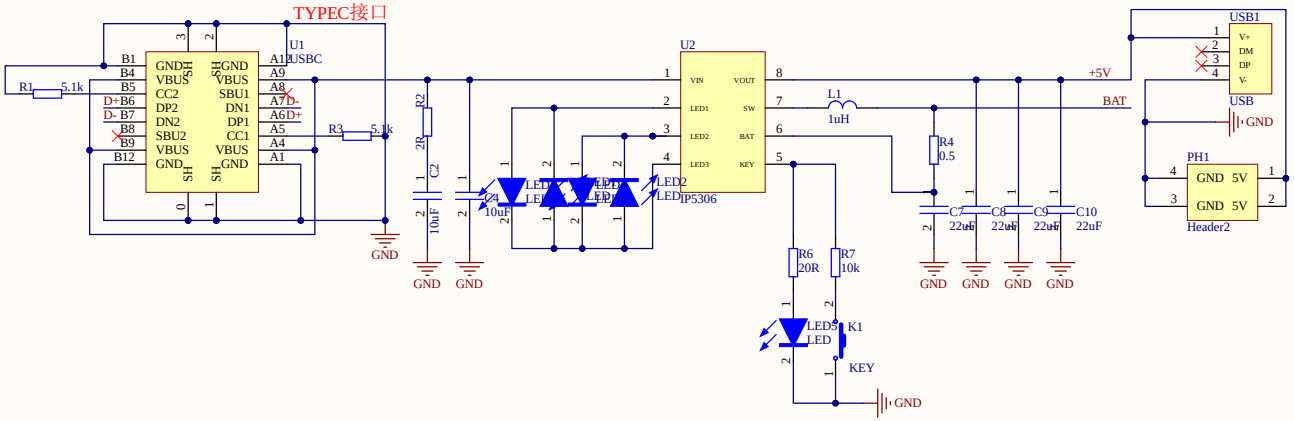
PCA9685 32路舵机驱动模块



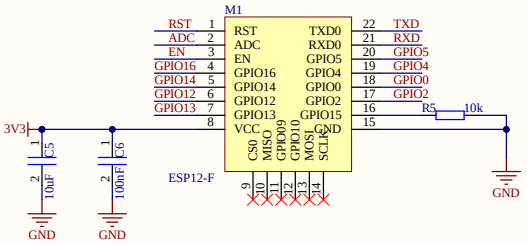


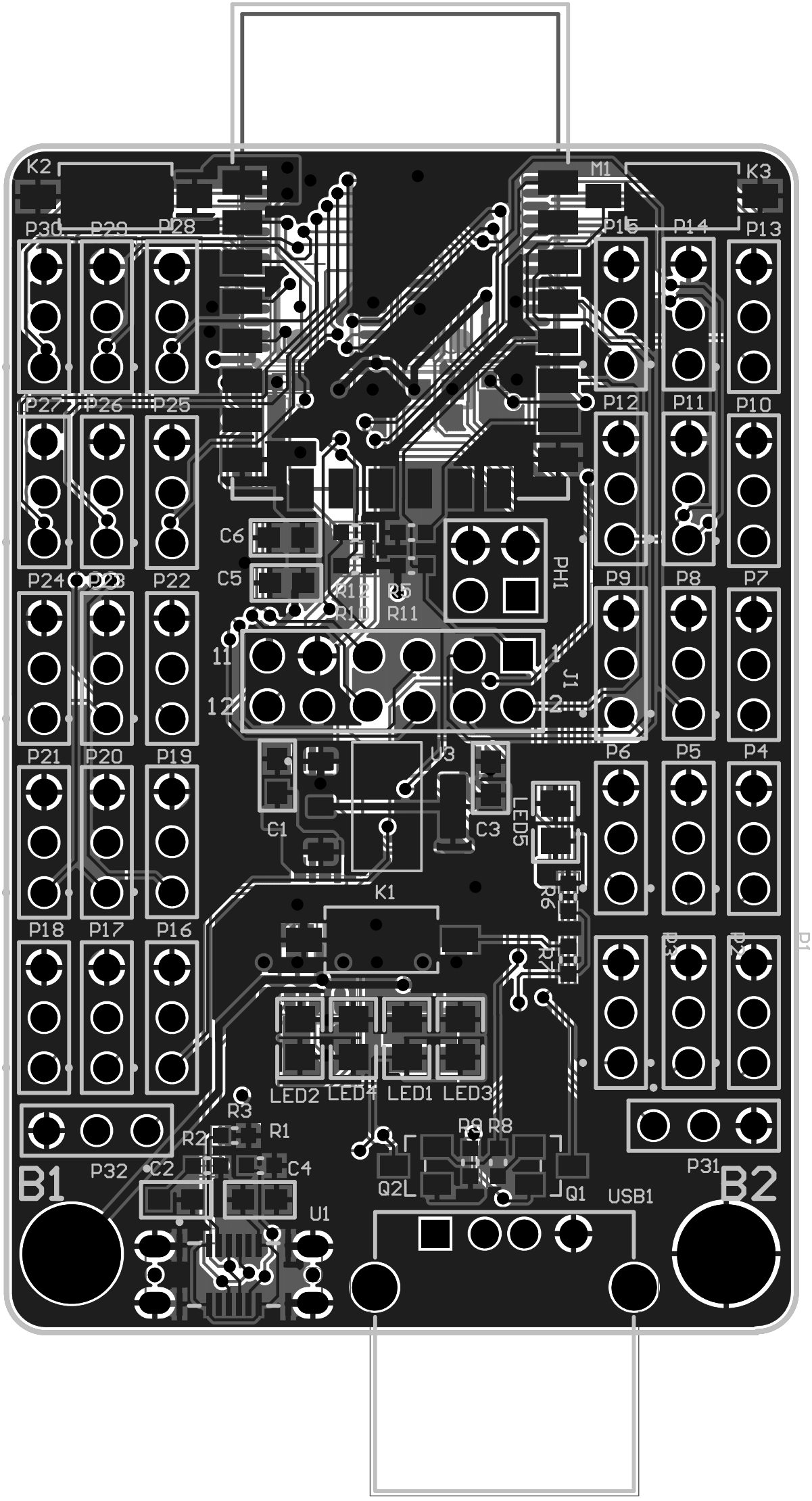


TYPEC接口



ESP12-F主控芯片(ESP8266)




K2
M1
K3
P30
P29
P28
P15
P14
P13
P27
P26
P25
P12
P11
P10
C6
C5
PH1
P24
P23
P22
P9
P8
P7
R12
R5
R10
R11
J1
11
12
1
2
P21
P20
P19
U3
P6
P5
P4
C1
C3
LED5
K1
R6
P18
P17
P16
R7
LED2
LED4
LED1
LED3
R3
R2
R1
R9
R8
P32
C2
C4
P31
B1
B2
Q2L
Q1
USB1
U1

Comment	Description	Designator	Footprint	LibRef	Quantity
VBATHeader		B1	18650VBAT	VBATHeader	1
VGNDHeadeR		B2	18650GND	VGNDHeadeR	1
10uF	电容	C1, C2, C3, C4, C5, C11, C12	Cap-0603	CAP	7
100nF	电容	C6	Cap-0603	CAP	1
22uF	电容	C7, C8, C9, C10	Cap-0603	CAP	4
CON12	Connector	J1	HDR2X6	CON12	1
KEY	按键	K1	TSW SMD-3*6*2.5(Button)	RST	1
RST	按键	K2	TSW SMD-3*6*2.5(Button)	RST	1
BOOT	按键	K3	TSW SMD-3*6*2.5(Button)	RST	1
1uH	电感	L1	CDRH3D16_4.2*1.8	INDUCTOR	1
LED		LED1, LED2, LED3, LED4, LED5	LED-0805	LED	5
ESP12-F		M1	ESP-12F	ESP12-F	1
SERVO		P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32	SERVOHEADER	SERVO	32
PCA9685PW		PCA1, PCA2	PCA9685TSOP28	PCA9685PW	2
Header2		PH1	HDR2X2	Header2	1
SS8050		Q1, Q2	SOT-23_BEC(SS8050)	SS8050	2
5.1k	电阻	R1, R3	0603_RES	RES	2
2R	电阻	R2	0603_RES	RES	1
0.5	电阻	R4	0603_RES	RES	1
10k	电阻	R5, R7, R8, R9, R10, R11, R12, R13, R14	0603_RES	RES	9
20R	电阻	R6	0603_RES	RES	1
USBC		U1	TYPEC	USBC	1
IP5306	升压、降压和锂电池充电管理芯片	U2	ESOP_IP5306	IP5306	1
AMS1117-3.3		U3	SOT229P700X180-4N(AMS1117-3.3)	AMS1117-3.3	1
CH340C		U4	SO016_CH340	CH340	1
USB		USB1	TypeA	USB	1