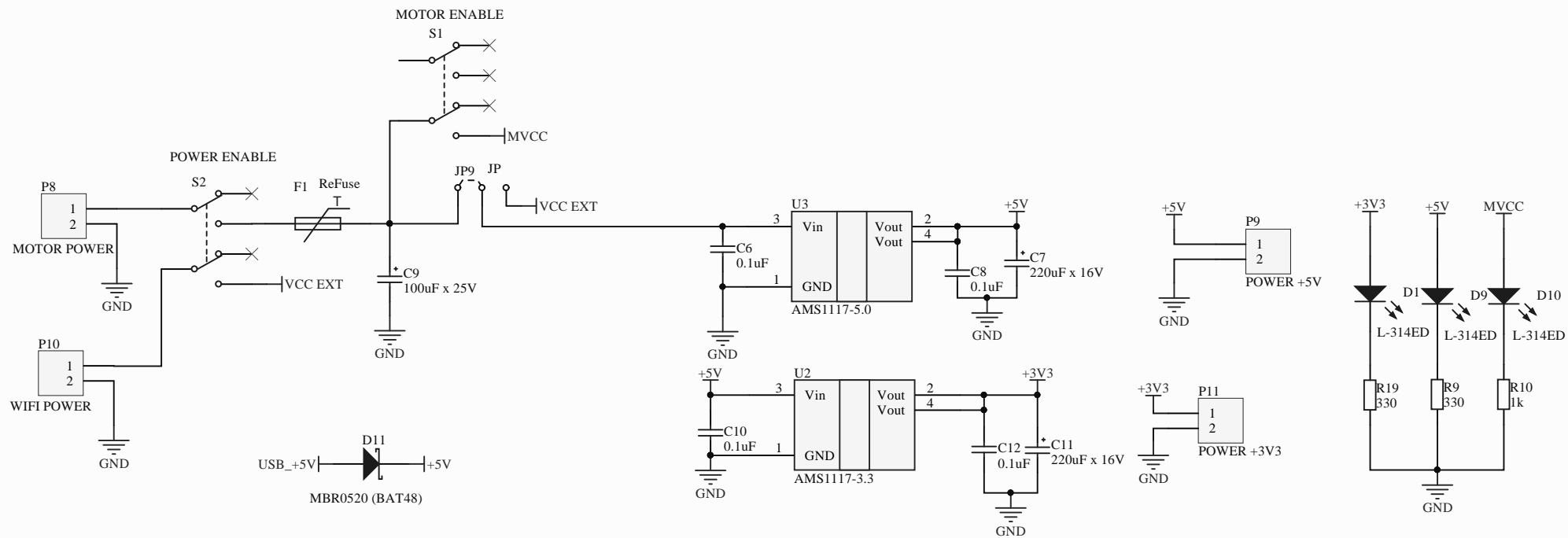
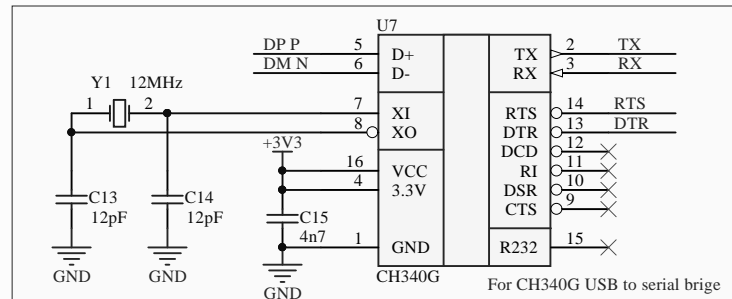
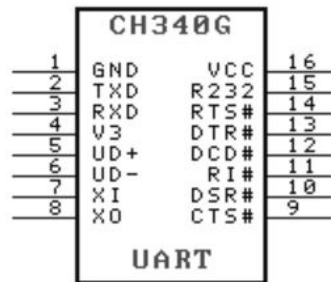


D1(GPIO5) <---> SDA
D2(GPIO4) <---> SCL
D7(GPIO13) <--> INT

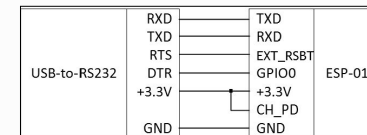
D3(GPIO0) <---> DA (direction of motor A)
D4(GPIO2) <---> DB (direction of motor B)
D5(GPIO14) <--> PWMA(motor A)
D6(GPIO12) <--> PWMB (motor B)

D8(GPIO15) <--> SERV1
D0(GPIO16) <--> SERV2
D9(GPIO3) <---> SERV3 (RXD0)
D10(GPIO1) <---> SERV4 (TXD0)



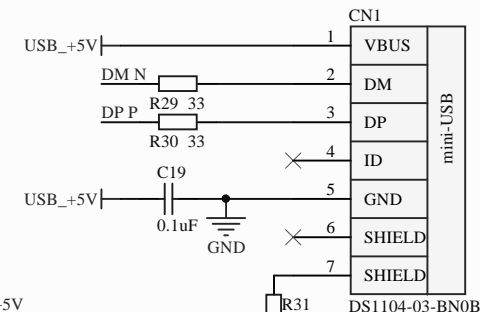
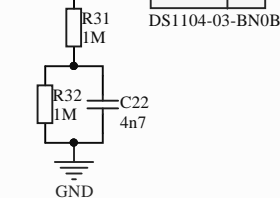
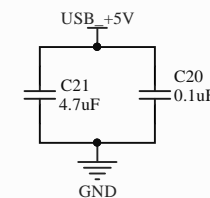
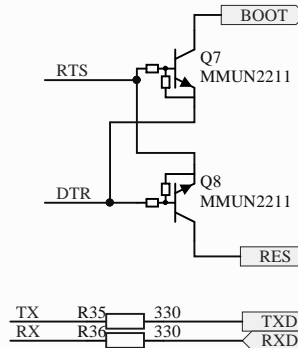
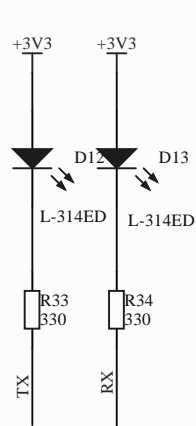
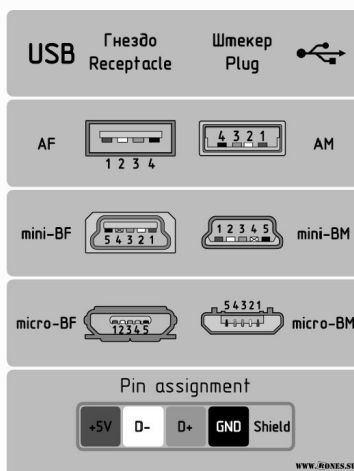
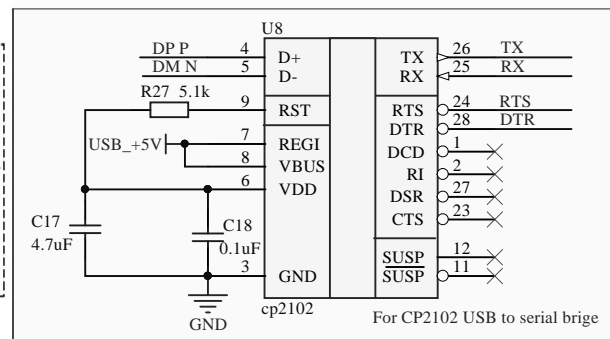
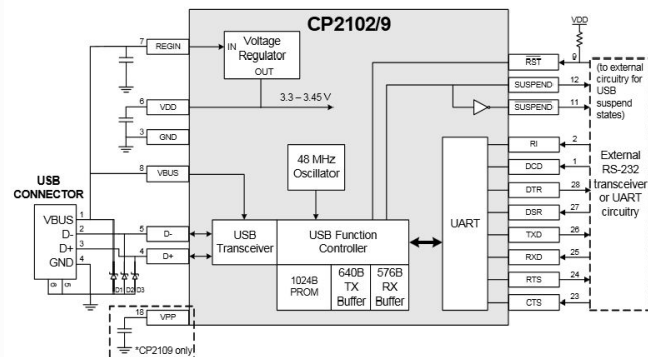


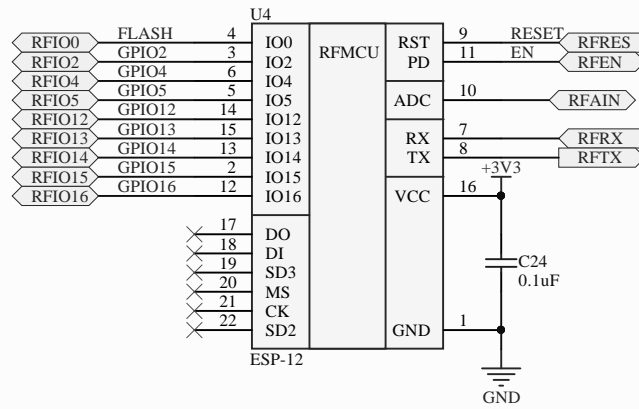
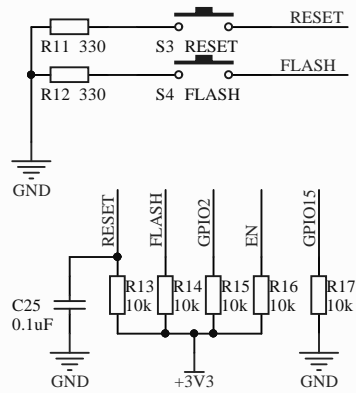
GPIO15	GPIO0	GPIO2	SDIO / SPI
1	X	X	Uart Download
0	0	1	Flash Boot
0	1	1	



Auto program circuit

DTR	RTS	RST	GPIO0
1	1	1	1
0	0	1	1
1	0	0	1
0	1	1	0





GPIO15	GPIO0	GPIO2	
1	X	X	SDIO / SPI
0	0	1	Uart Download
0	1	1	Flash Boot

GPIO	Inst Name	Function 0	Function 1	Function 2	Function 3	Function 4	At Reset	After Reset	Sleep
0	GPIO0 U	GPIO0	SPICS2			CLK_OUT	oe=0, wpu	wpu	oe=0
1	U0TXD U	U0TXD	SPICS1		GPIO1	CLK_RTC	oe=0, wpu	wpu	oe=0
2	GPIO2 U	GPIO2	I2SO_WS	U1TXD		U0TXD	oe=0, wpu	wpu	oe=0
3	U0RXD U	U0RXD	I2SO_DATA		GPIO3	CLK_XTAL	oe=0, wpu	wpu	oe=0
4	GPIO4 U	GPIO4	CLK_XTAL				oe=0		oe=0
5	GPIO5 U	GPIO5	CLK_RTC				oe=0		oe=0
6	SD_CLK U	SD_CLK	SPICLK		GPIO6	U1CTS	oe=0		oe=0
7	SD_DATA0 U	SD_DATA0	SPIQ		GPIO7	U1TXD	oe=0		oe=0
8	SD_DATA1 U	SD_DATA1	SPID		GPIO8	U1RXD	oe=0		oe=0
9	SD_DATA2 U	SD_DATA2	SPIHD		GPIO9	HSPIHD	oe=0		oe=0
10	SD_DATA3 U	SD_DATA3	SPIWP		GPIO10	HSPIWP	oe=0		oe=0
11	SD_CMD U	SD_CMD	SPICS0		GPIO11	U1RTS	oe=0		oe=0
12	MTDI U	MTDI	I2SI_DATA	HSPIQ_MISO	GPIO12	U0DTR	oe=0, wpu	wpu	oe=0
13	MTCK U	MTCK	I2SI_BCK	HSPIQ_MOSI	GPIO13	U0CTS	oe=0, wpu	wpu	oe=0
14	MTMS U	MTMS	I2SI_WS	HSPICLK	GPIO14	U0DSR	oe=0, wpu	wpu	oe=0
15	MTDO U	MTDO	I2SO_BCK	HSPICS	GPIO15	U0RTS	oe=0, wpu	wpu	oe=0
16	XPD_DCDC	XPD_DCDC	RTC_GPIO0	EXT_WAKEUP	DEEPSLEEP	BT_XTAL_EN	oe=1,wpd	oe=1,wpd	oe=1