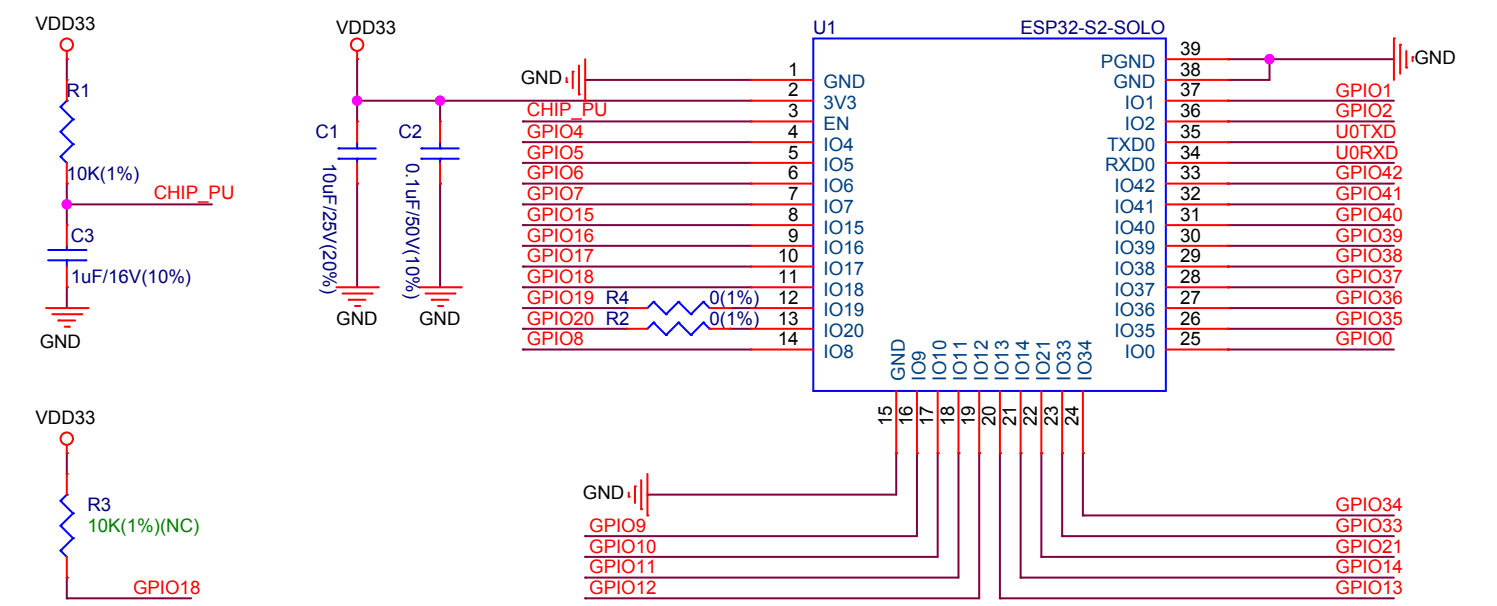
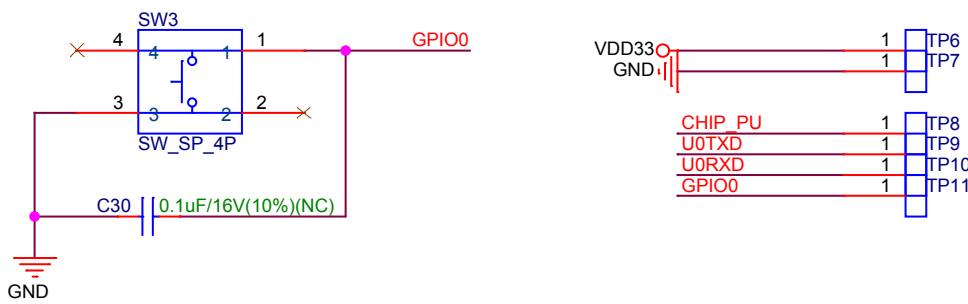


ESP32-S2 Module:

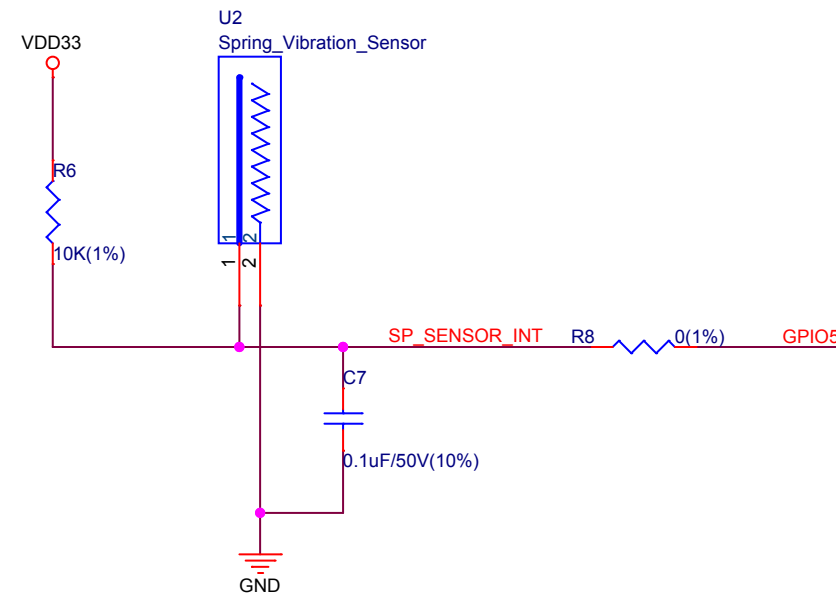
Pin Name:	ESP32-S2-Solo:	ESP32-WROOM-32D
BAT_ADC	GPIO4/ADC1_CH3	GPI36/ADC1_CH0
SENSOR_INT	GPIO5	GPI39
DMIC_I2S_SCK	GPIO15	GPIO32
DMIC_I2S_WS	GPIO16	GPIO33
DMIC_I2S_SDO	GPIO17	GPIO25
LED_G	GPIO35	GPIO4
LED_R	GPIO36	GPIO16
LED_B	GPIO37	GPIO17
BAT_CHRG	GPIO6	GPI34
BAT_STBY	GPIO7	GPI35



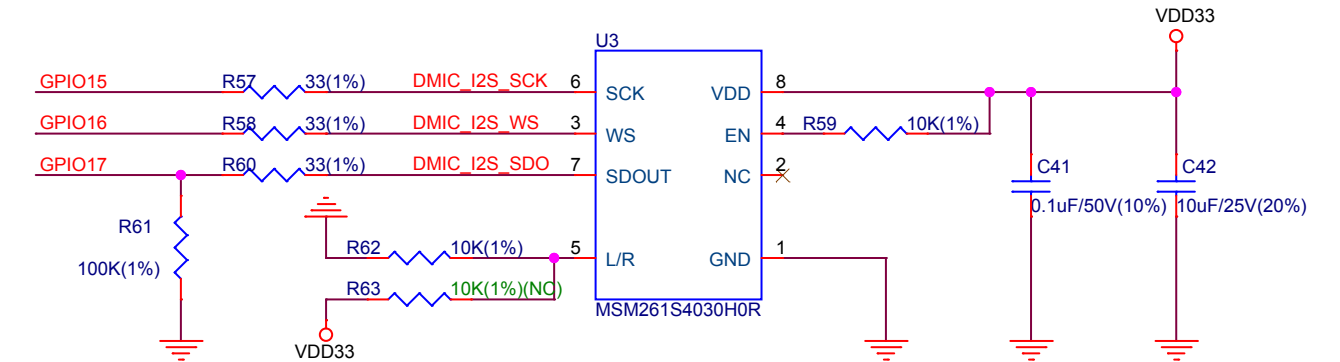
Notes:
1. ESP32-WROOM-32D reserved.
2. Refer to Table on left for details about pin assignment.



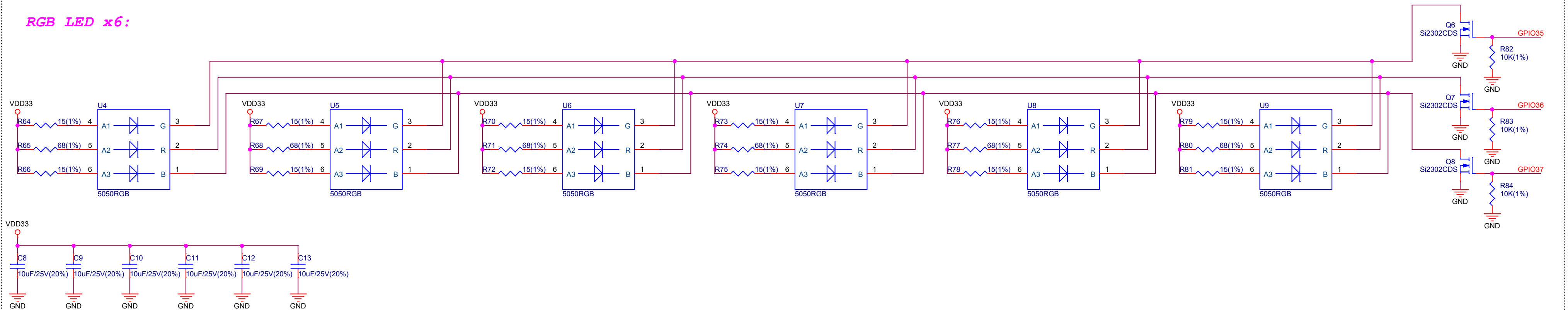
Spring Vibration Sensor:

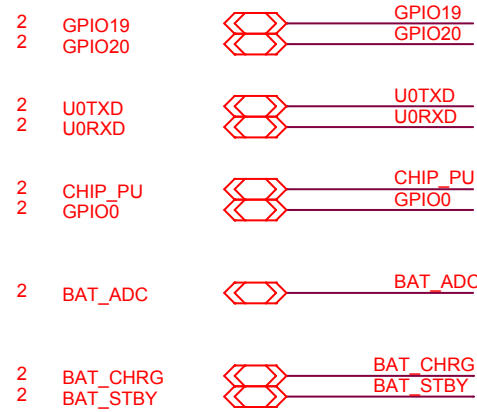


Digital MIC:



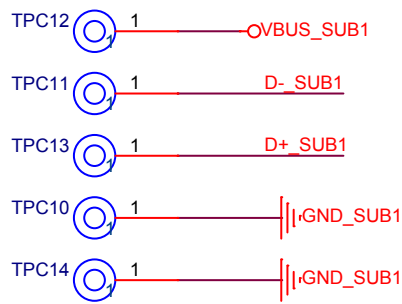
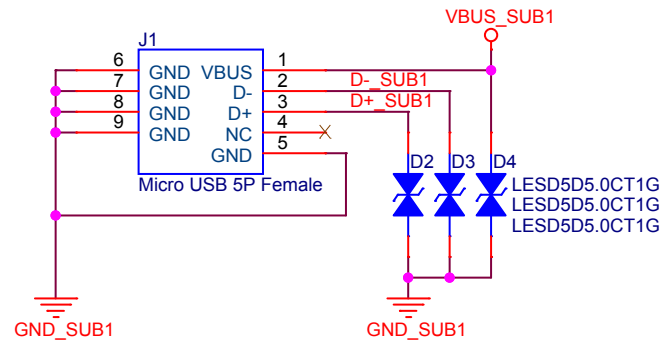
RGB LED x6:



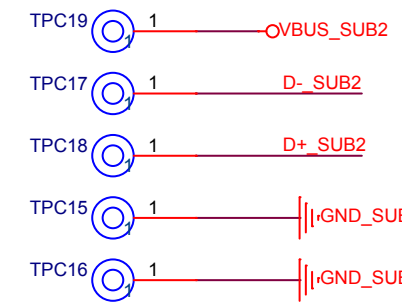
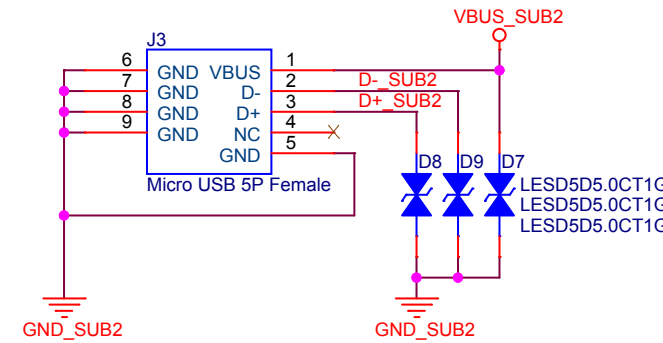


USB Power Input:

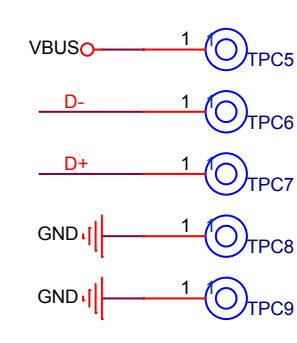
Sub Board(Normal)



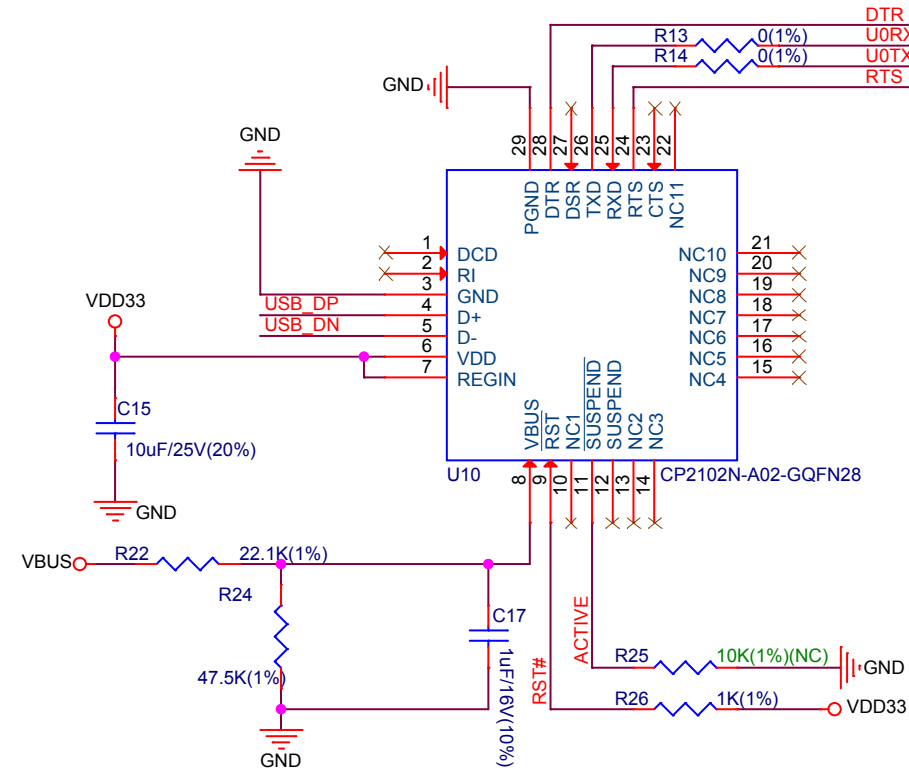
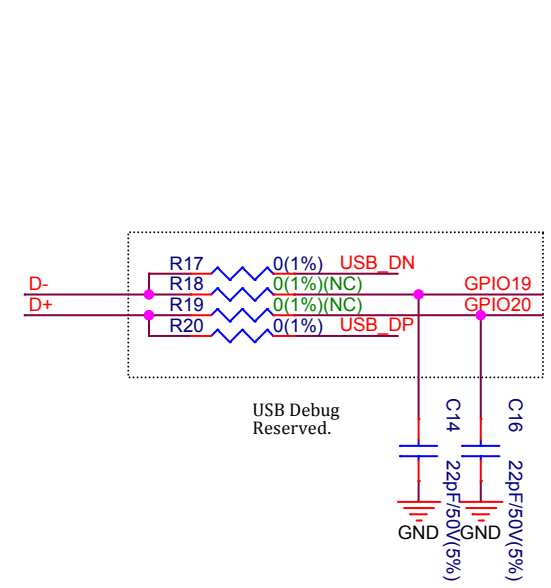
Sub Board(Cut short 6mm)



Main Board

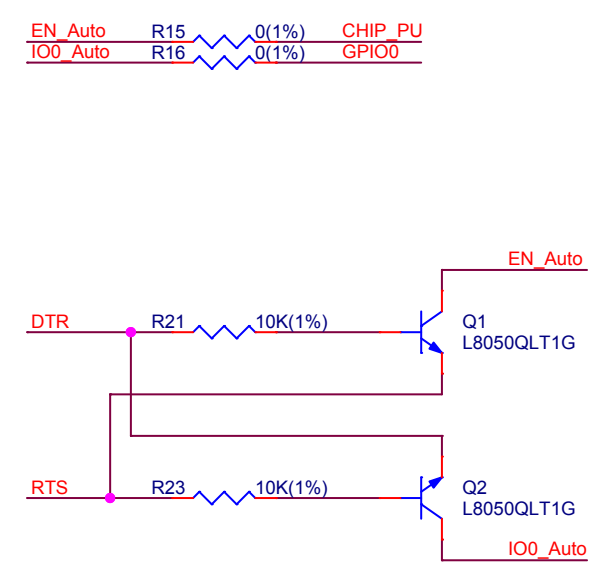


1. USB Power Input subboard;
2. Panelization for Mainboard and Subboard;
3. Subboard include normal version and cut short 6mm version ;



Auto program

DTR	RTS	EN	IO0	IO2
1	1	1	1	1
0	0	1	1	1
1	0	0	1	1
0	1	1	0	0



Power Charge & Regulator:

