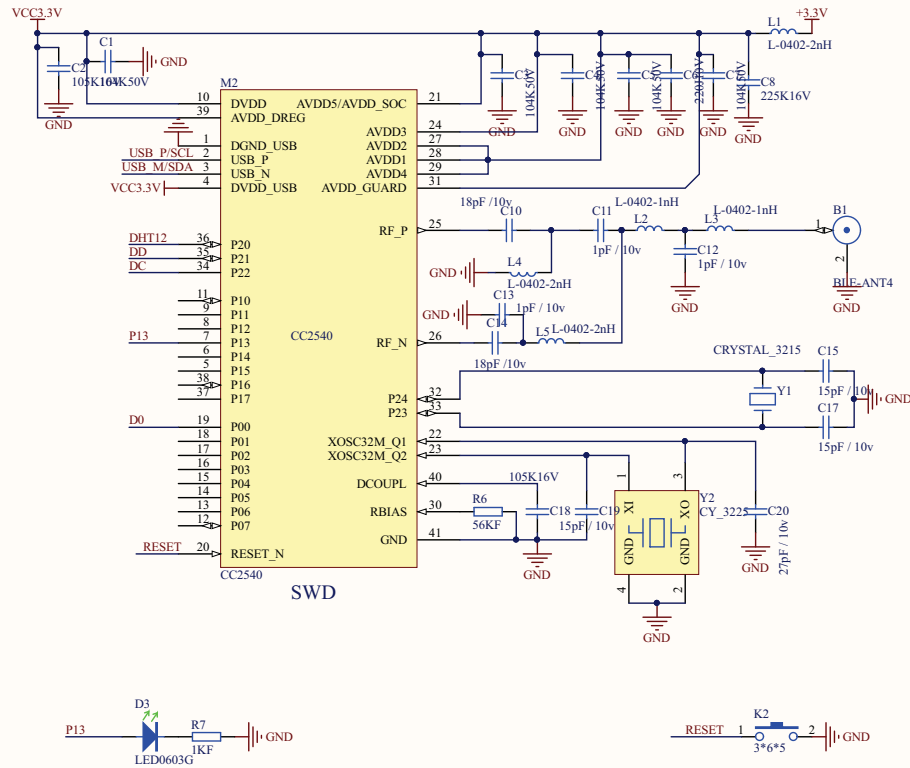
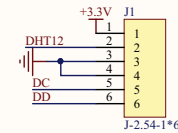


CC2540 主控

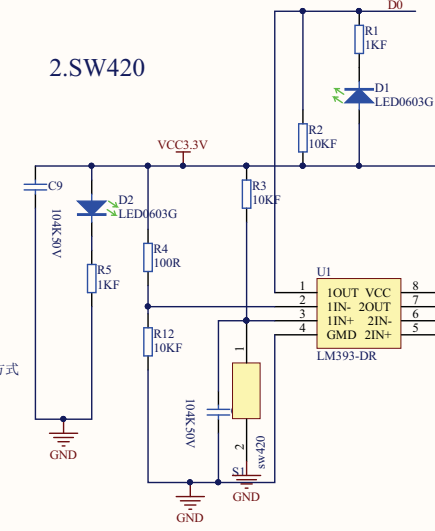


1.DHT11



DHT12 使用总线的方式连接，4号脚接地，选中单总线方式

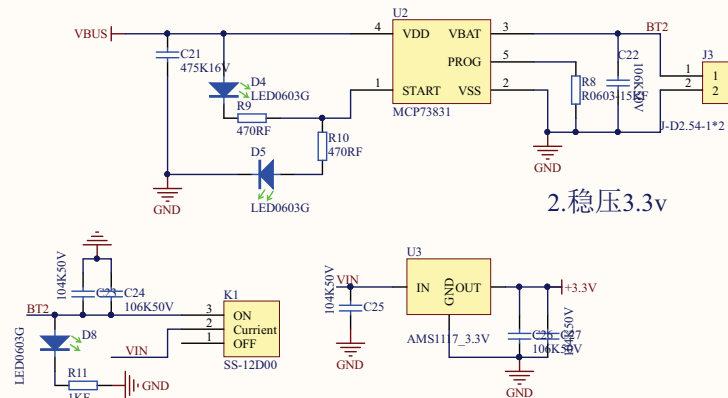
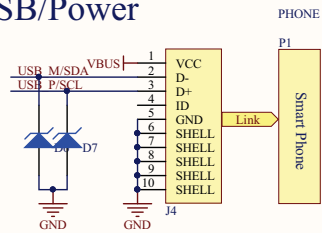
2.SW420



- 1.D0: 振动传感器信号线;
2. R4,R12 代替精密可调电阻, R12越高则越分压

Power_division

USB/Power

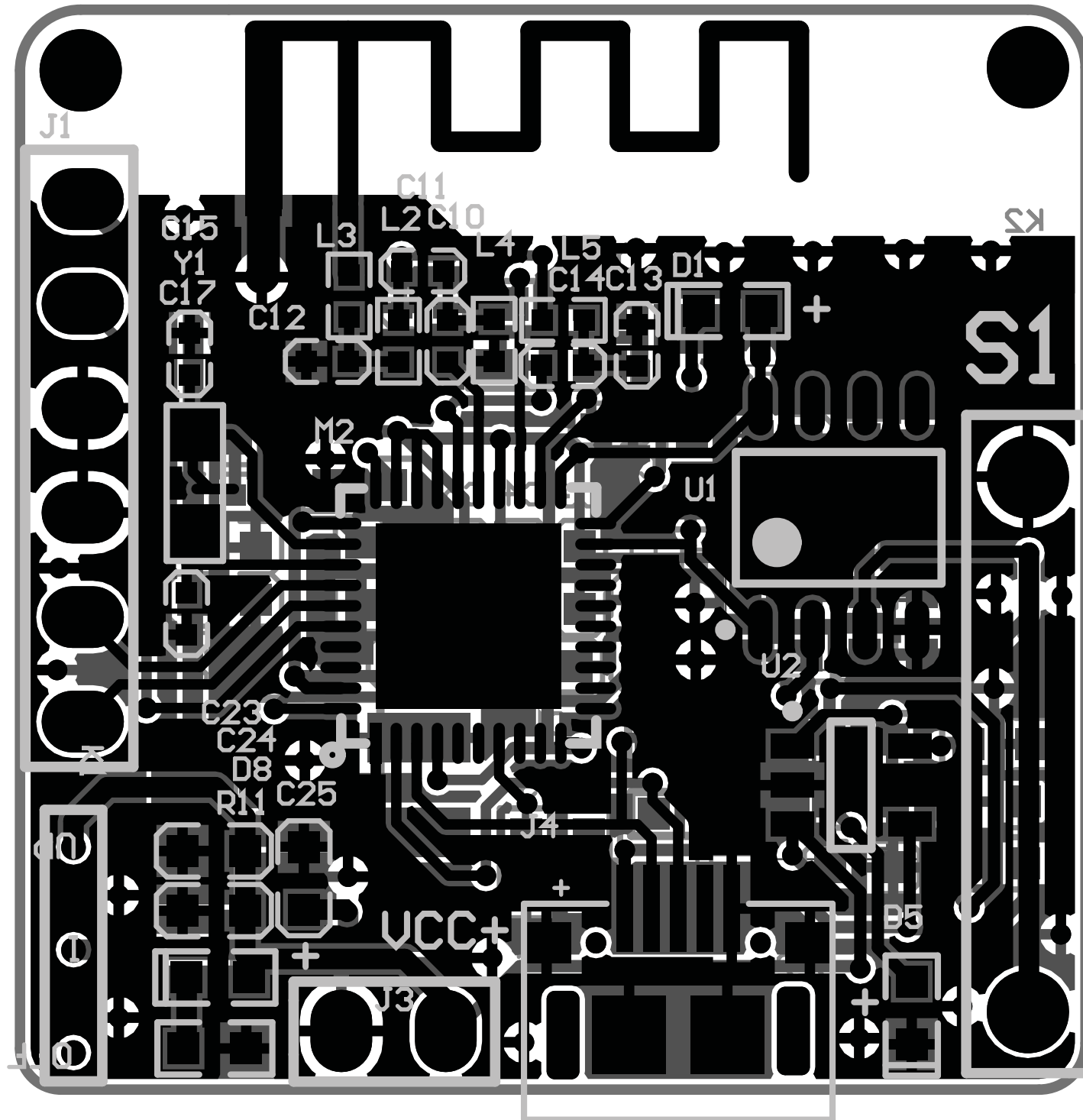


2.稳压3.3v

- 1.MCU: CC2540 主控芯片
2. 接口: USB, sdw
3. LED: IO-P1.3 ;
4. 电池: 可充电锂电池
5. Sensor: DHT12 and SW420

Title		
Size	Number	Revision
A3		
Date:	2019/3/8	Sheet of
File:	D:\2018_hust_files\CC254x.SchDoc	Drawn By:

B1



Comment	Description	Designator	Footprint	Quantity
BLE-ANT4		B1	BLE-ANTS2	1
104K50V	贴片电容-陶瓷	C1, C3, C4, C5, C7, C9, C16, C23, C25, C27	C0603	10
105K16V	贴片电容-陶瓷	C2, C18	C0603	2
220J10V	贴片电容-陶瓷	C6	C0402	1
225K16V	贴片电容-陶瓷	C8	C0603	1
18pF / 10v	贴片电容-陶瓷	C10, C14	C0402	2
1pF / 10v	贴片电容-陶瓷	C11, C12, C13	C0402	3
15pF / 10v	贴片电容-陶瓷	C15, C17, C19	C0402	3
27pF / 10v	贴片电容-陶瓷	C20	C0402	1
475K16V	贴片电容-陶瓷	C21	C0603	1
106K50V	贴片电容-陶瓷	C22, C24, C26	C0603	3
LED0603G	贴片二极管-LED	D1, D2, D3, D4, D5, D8	D-LED0603G	6
ESDA_TR1/0603	Zener Diode	D6, D7	HS_0603D	2
J-2.54-1*6	单排	J1	D2.54-1*6	1
J-D2.54-1*2	J-D2.54-1*2	J3	D2.54-1*2P	1
USB-MINI-SOCKET	USB-A卧式插座	J4	MICRO-USB - 5.9	1
SS-12D00	SS-12D00	K1	SS-12D00	1
3*6*5	贴片-卧式轻触开关	K2	S-K3*6	1
L-0402-2nH	贴片电感-层叠	L1, L4, L5	L0402	3
L-0402-1nH	贴片电感-层叠	L2, L3	L0402	2
CC2540	CC2540	M2	CC254X_QFN	1
PHONE		P1		1
1KF	贴片电阻-通用	R1, R5, R7, R11	R0603	4
10KF	贴片电阻-通用	R2, R3, R12	R0603	3
100R	贴片电阻-通用	R4	R0603	1
56KF	贴片电阻-通用	R6	R0603	1
R0603-15KF	贴片电阻-通用	R8	R0603	1
470RF	贴片电阻-通用	R9, R10	R0603	2
sw420	常闭振动传感器	S1	sw420	1
LM393-DR	双路比较器	U1	LM393	1
MCP73831	charge IC	U2	SOT23-5N	1
AMS1117_3.3V	AMS1117_3.3V	U3	SOT-223	1
CRYSTAL_3215	CRYSTAL_3215, 两	Y1	CRYSTAL_3215	1
CY_3225	CY_3225	Y2	CY_3225	1

B1

