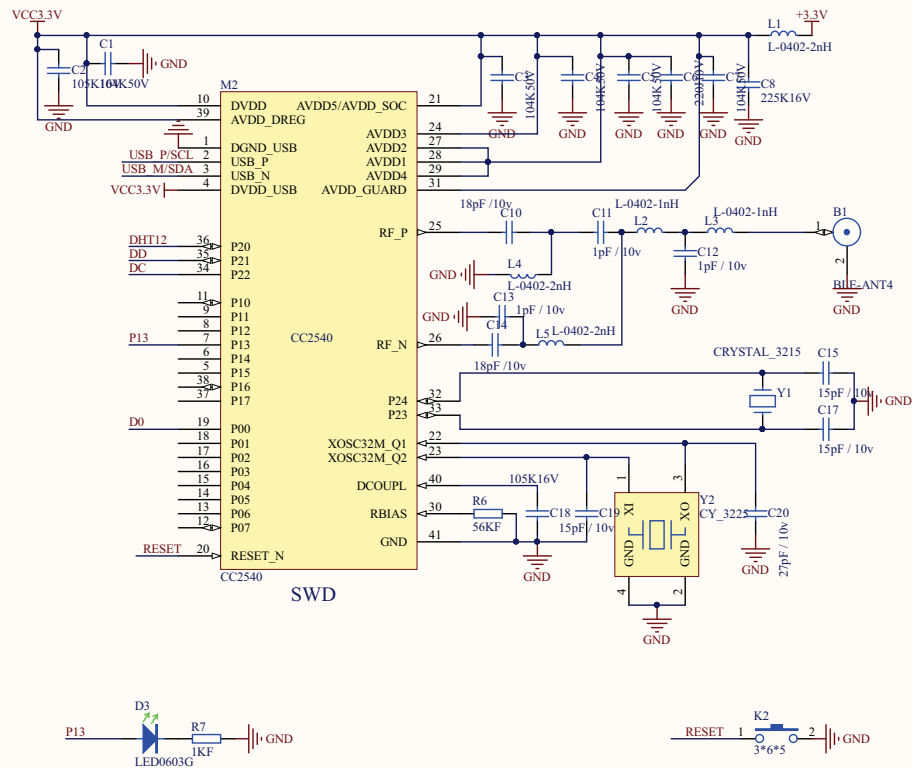
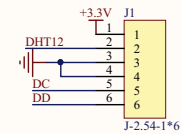


CC2540 主控

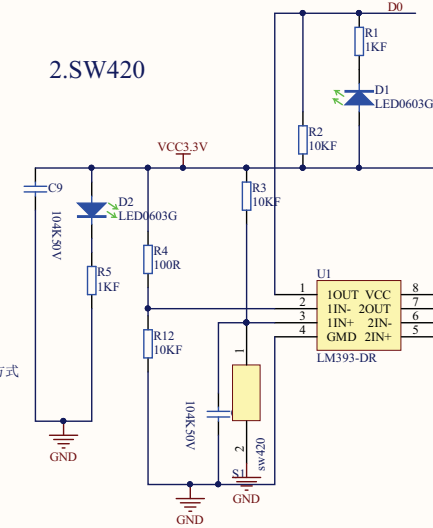


1.DHT11



DHT12 使用总线的方式连接, 4号脚接地, 选中单总线方式

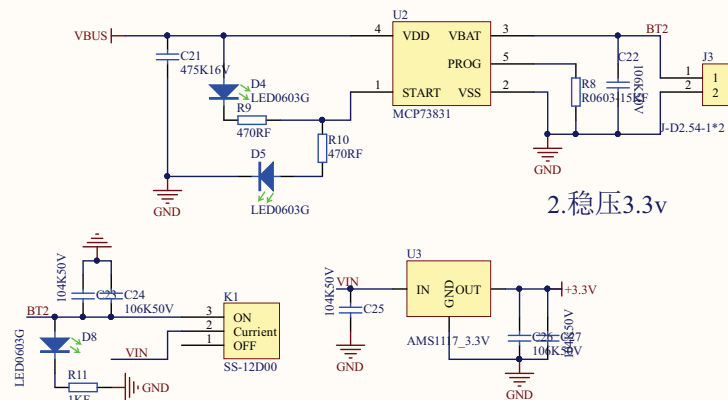
2.SW420



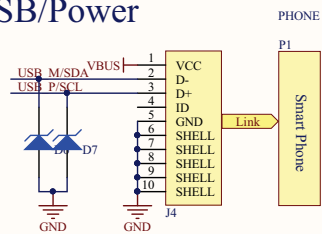
1.D0: 振动传感器信号线;

2. R4,R12 代替精密可调电阻, R12越高则越分压

Power_division



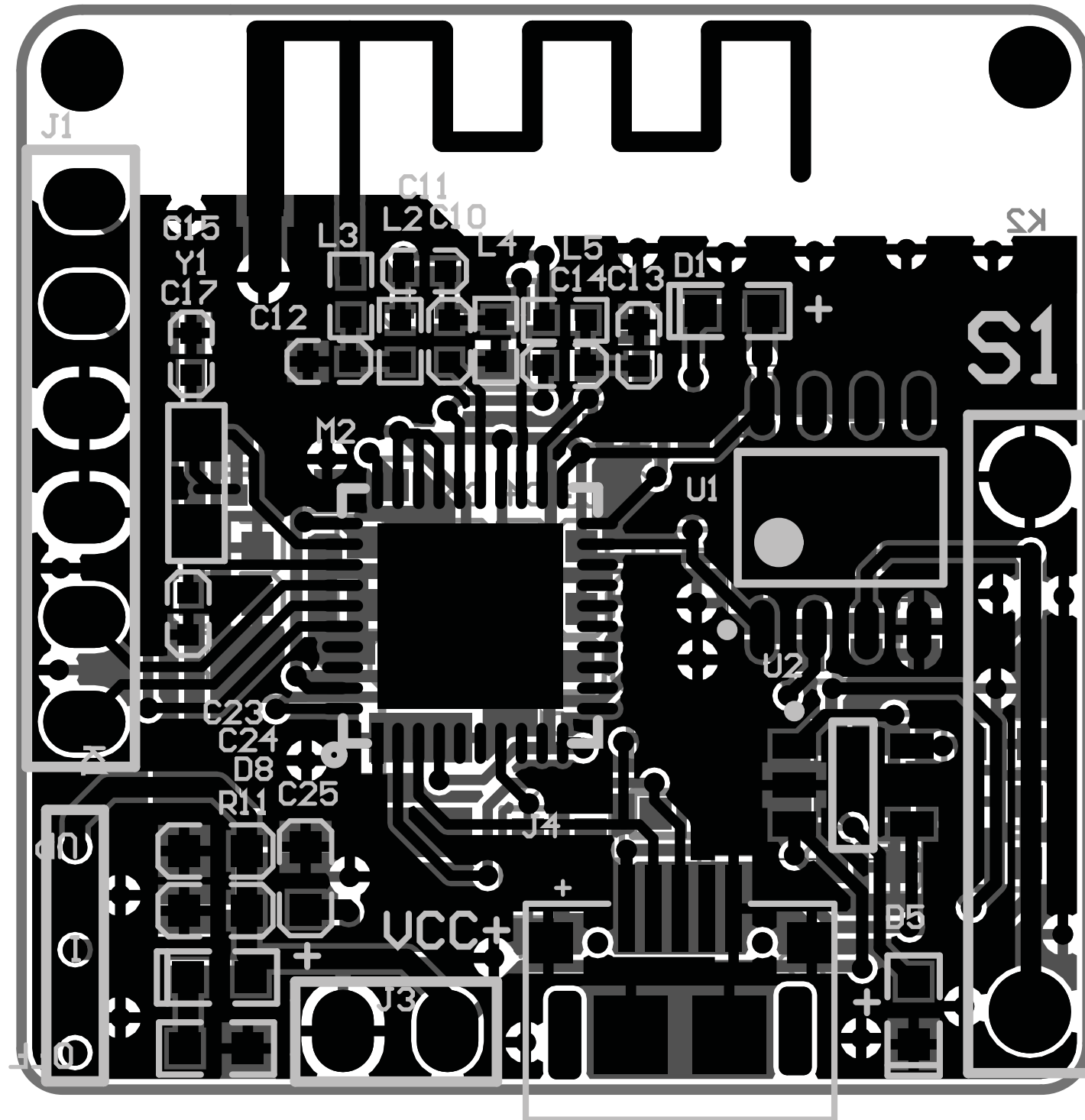
USB/Power



- 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 和 SW420

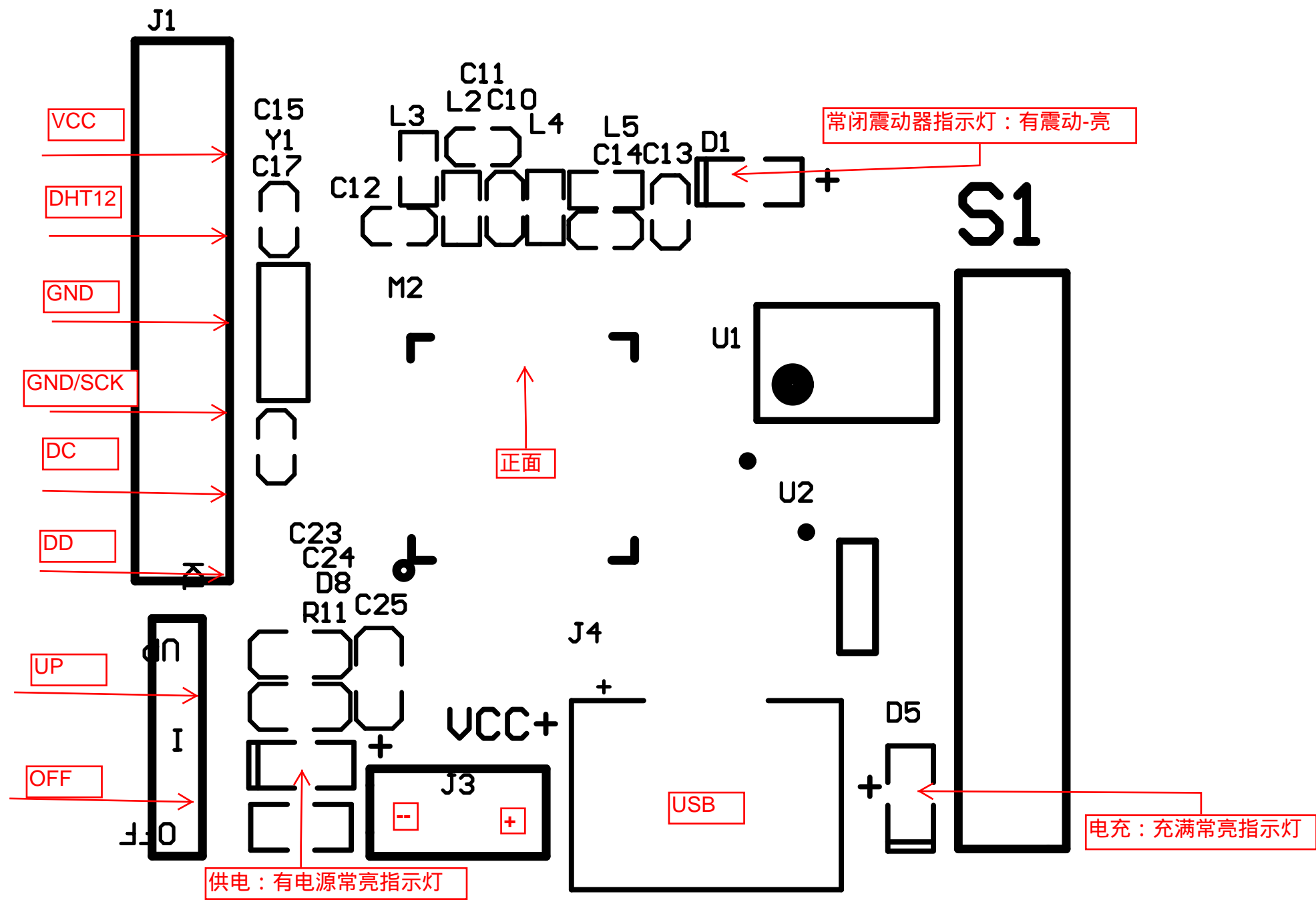
Title		
Size A3	Number	Revision
Date:	2019/3/8	Sheet of
File:	D:\2018_hust_files_\CC254x.SchDoc	Drawn By:

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



K2

Reset

Y2

C19

R5 Z0 C9 R2

震动传感器：供电指示灯

C6 R6
C7

C8

C20

C3 C4 C5

L1

C16 R3 R12 R4 R1

C1

R8
C21
D4

D6

C18

C27
C26

C2

+

D3

U3

+

D7

R7

充电：充电指示灯
充电过程中常亮

R9
R10
C22

P1.3 IO口指示灯

