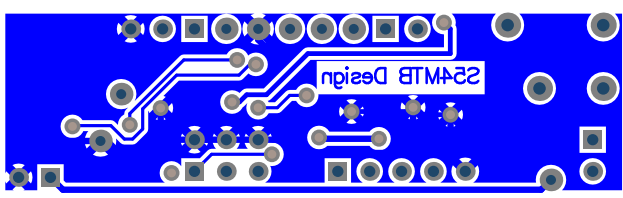
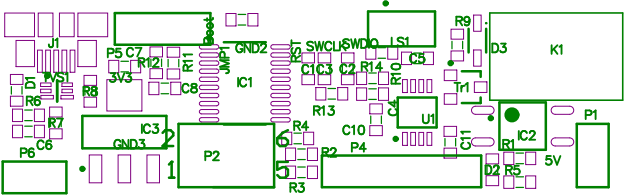


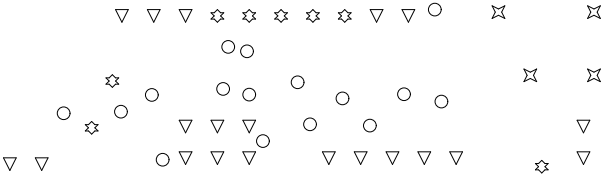
254MTB Design







S54MTB Desig



A

A

B

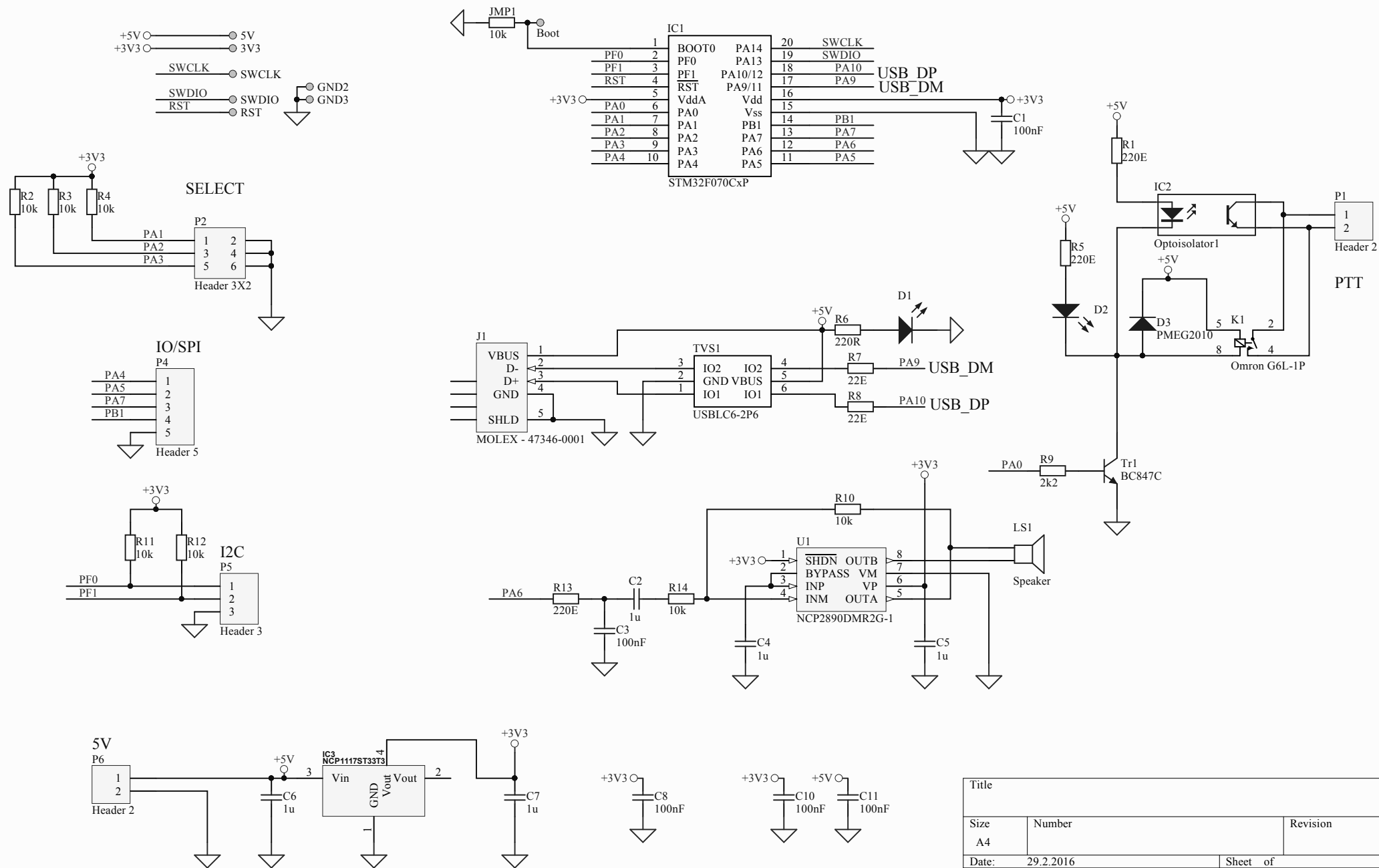
B

C

C

D

D



Comment	Description	Designator	Footprint	LibRef	Quantity	Value
		3V3, 5V, Boot, GND2, GND3, RST, SWCLK, SWDIO	En_pin_TP	En_pin	8	
	Capacitor	C1, C8, C10, C11	0603	Cap	4	100nF
1u	Capacitor	C2, C4, C5, C6, C7	0603	Cap	5	
100nF	Capacitor	C3	0603	Cap	1	
LED3	Typical BLUE SiC LED	D1, D2	0603	LED3	2	
PMEG2010	1 Amp General Purpose Rectifier	D3	SOD323	Diode 1N4007	1	
STM32F070CxP		IC1	TSOP65P640X110_HS-20N	STM32F070CxP	1	
Optoisolator1	4-Pin Phototransistor Optocoupler	IC2	TLP124	Optoisolator 1	1	
NCP1117ST33T3		IC3	SOT223_M	VOLTREG_LD1117S3	1	
MOLEX - 47346-0001	USB 2.0, Right Angle, SMT, B Type, Receptacle, 5 Position, Black	J1	MOLEX - 47346-0001 - MICRO USB TYPE B, RECEPTACLE, BOTTOM	440247-1	1	
Res2	Resistor	JMP1, R2, R3, R4, R10, R11, R12, R14	0603	Res2	8	10k
Omron G6L-1P		K1	Omron G6L-1P	Omr on G6L-1P	1	
Speaker	Loudspeaker	LS1	PIN2	Speaker	1	
Header 2	Header, 2-Pin	P1, P6	HDR1X2	Header 2	2	
Header 3X2	Header, 3-Pin, Dual row	P2	HDR2X3	Header 3X2	1	
Header 5	Header, 5-Pin	P4	HDR1X5	Header 5	1	
Header 3	Header, 3-Pin	P5	HDR1X3	Header 3	1	
Res2	Resistor	R1, R5, R13	0603	Res2	3	220E
Res2	Resistor	R6	0603	Res2	1	220R
Res2	Resistor	R7, R8	0603	Res2	2	22E
Res2	Resistor	R9	0603	Res2	1	2k2
BC847C	NPN General-purpose Transistor	Tr1	SOT23	BC847C	1	
USBLC6-2P6		TVS1	SOT23127P600-8N	USBL C6-2P6	1	
NCP2890DMR2G-1	1.0 W Audio Power Amplifier, -40 to 85 degC, 8	U1	ONSC-MIC	NCP2	1	