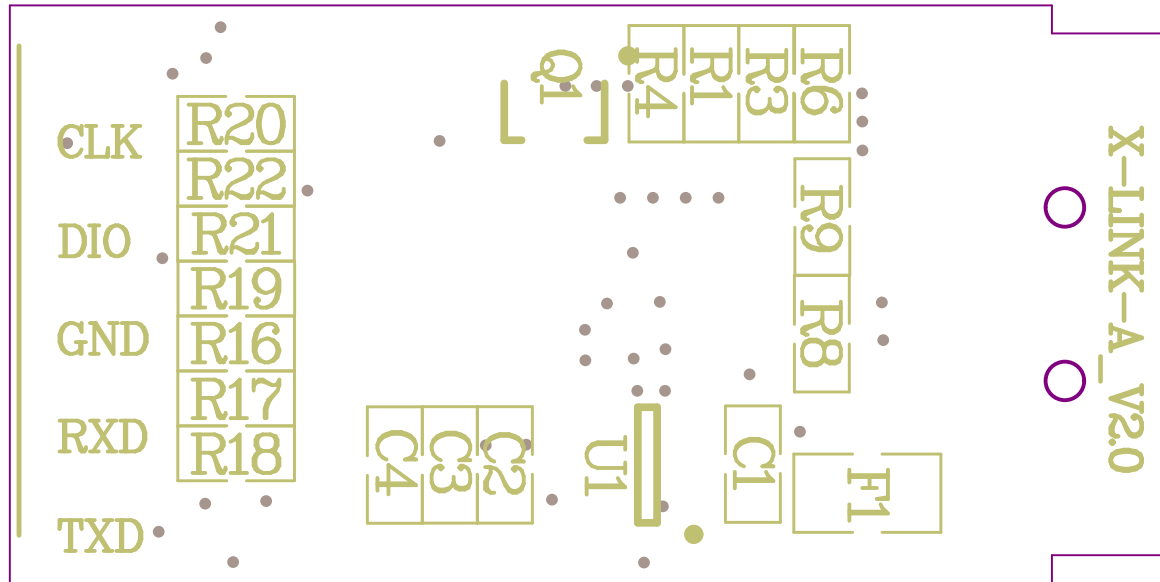
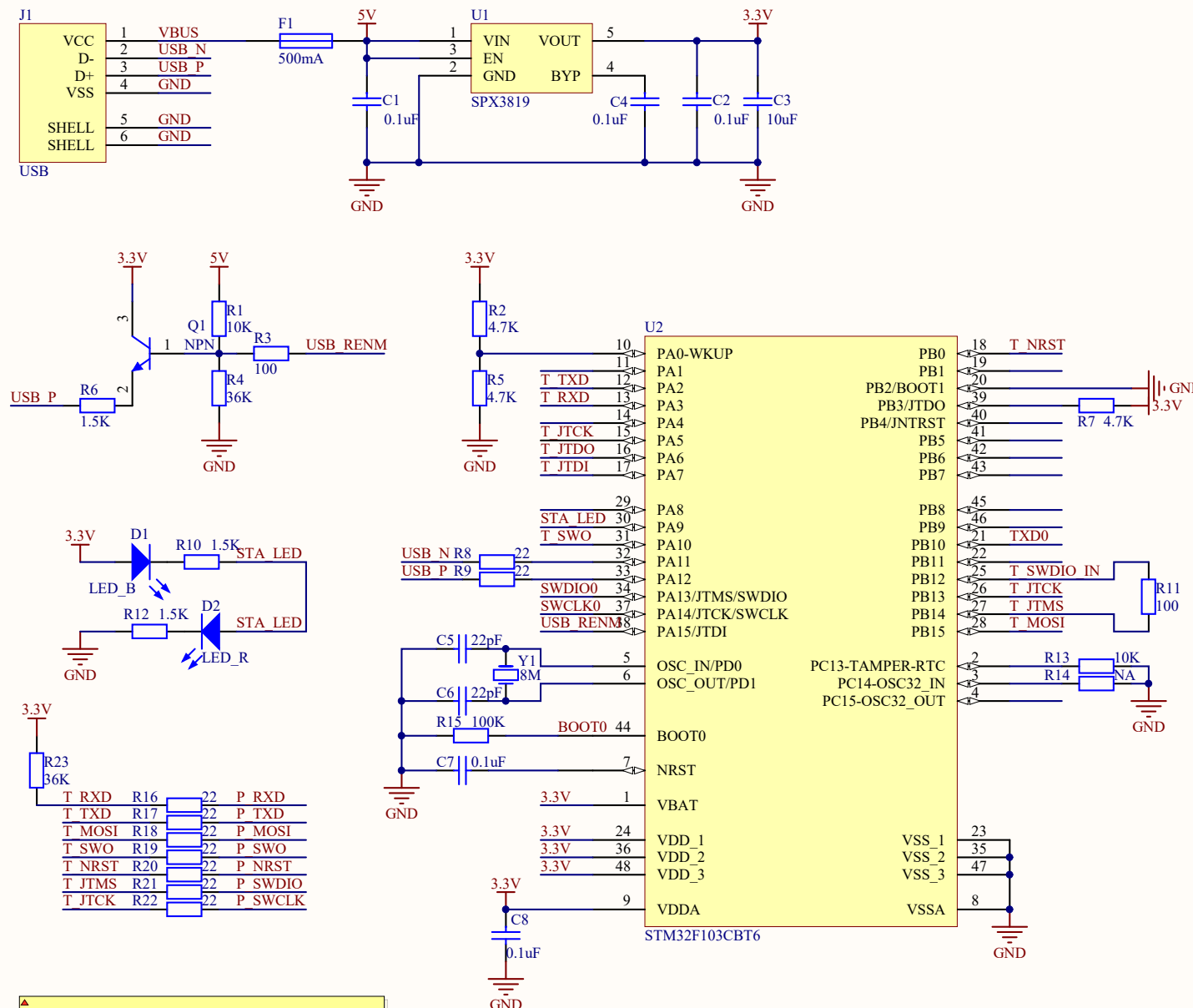


15 (mm)





PA2: TXD/SCL(GPIO )  
PA3: RXD/SDA(GPIO )  
PB13: SWCLK/SCK  
PB14: SWDIO/MISO  
PB15: MOSI/DTR  
PB0: NRST/RST  
PA10: SWO/SWIM

Title		
Size	Number	Revision
A		
Date:	2019/1/7	Sheet of
File:	F:\X-Link\...\ST-Link-V2.2-Mini.SchDoc	Drawn By:

# Bill of Materials

**<Parameter Title not found>**

Source Data From:	ST-Link-V2.2-Mini.PrjPcb
Project:	ST-Link-V2.2-Mini.PrjPcb
Variant:	None

Creation Date:	2019/1/7	0:12:53
Print Date:	43472	43472.00938

Footprint	Comment	LibRef	Designator	Description	Quantity
C-0603	Cap	Cap	C1, C2, C3, C4, C5, C6, C7, C8	Capacitor	8
SMT_LED_0603	LED_B	LED2	D1	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
SMT_LED_0603	LED_R	LED2	D2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	1
0805-1	Fuse1	Fuse1	F1	保险丝	1
USB-B	USB	USB	J1	USB接口	1
SIP4-1.27	SWD	Header 4	P1	Header, 4-Pin	1
HEADER_5	P-BOTTOM	Header 5	P2	Header, 5-Pin	1
HEADER_5	P-TOP	Header 5	P3	Header, 5-Pin	1
SOT23-3	NPN	NPN1	Q1	贴片三极管	1
0603-1	Res1	Res1	R1, R3, R4, R6, R13, R14, R23	贴片电阻	7
0603-1	Res2	Res2	R2, R5, R7, R8, R9, R10, R11, R12, R15, R16, R17, R18, R19, R20, R21, R22	Resistor	16
SOT23-5	SPX3819	SPX3819	U1		1
LQFP48_N	STM32F103CBT6	STM32F103C8T6	U2	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	1
XAL5032 2-Leads	8M	XTAL	Y1	Crystal Oscillator	1

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Approved	Notes	

[illegible]