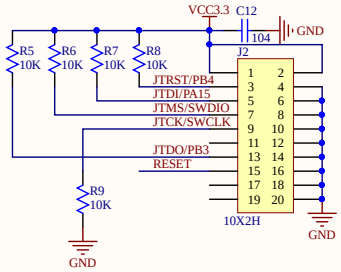
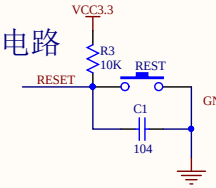
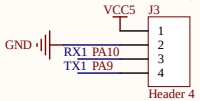


JTAG调试接口

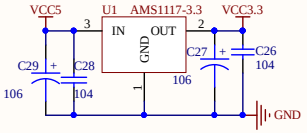
复位电路

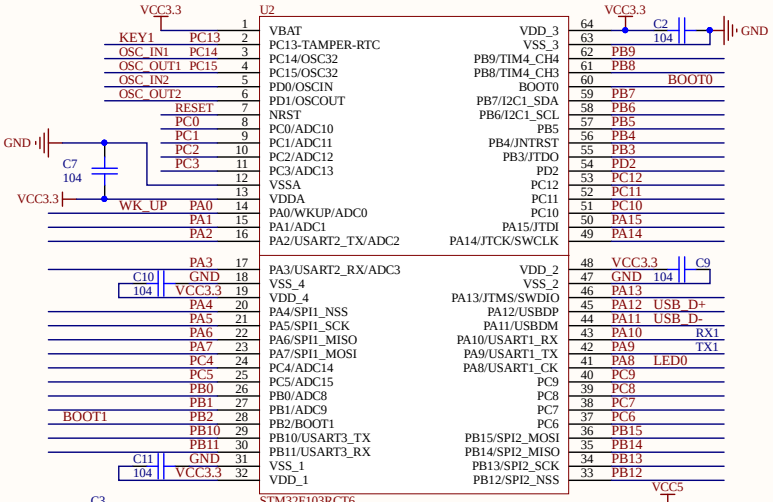


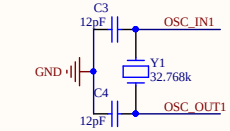
串口下载电路



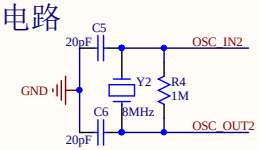
电源电路

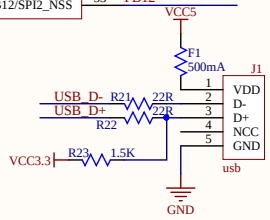






时钟电路





USB供电电路

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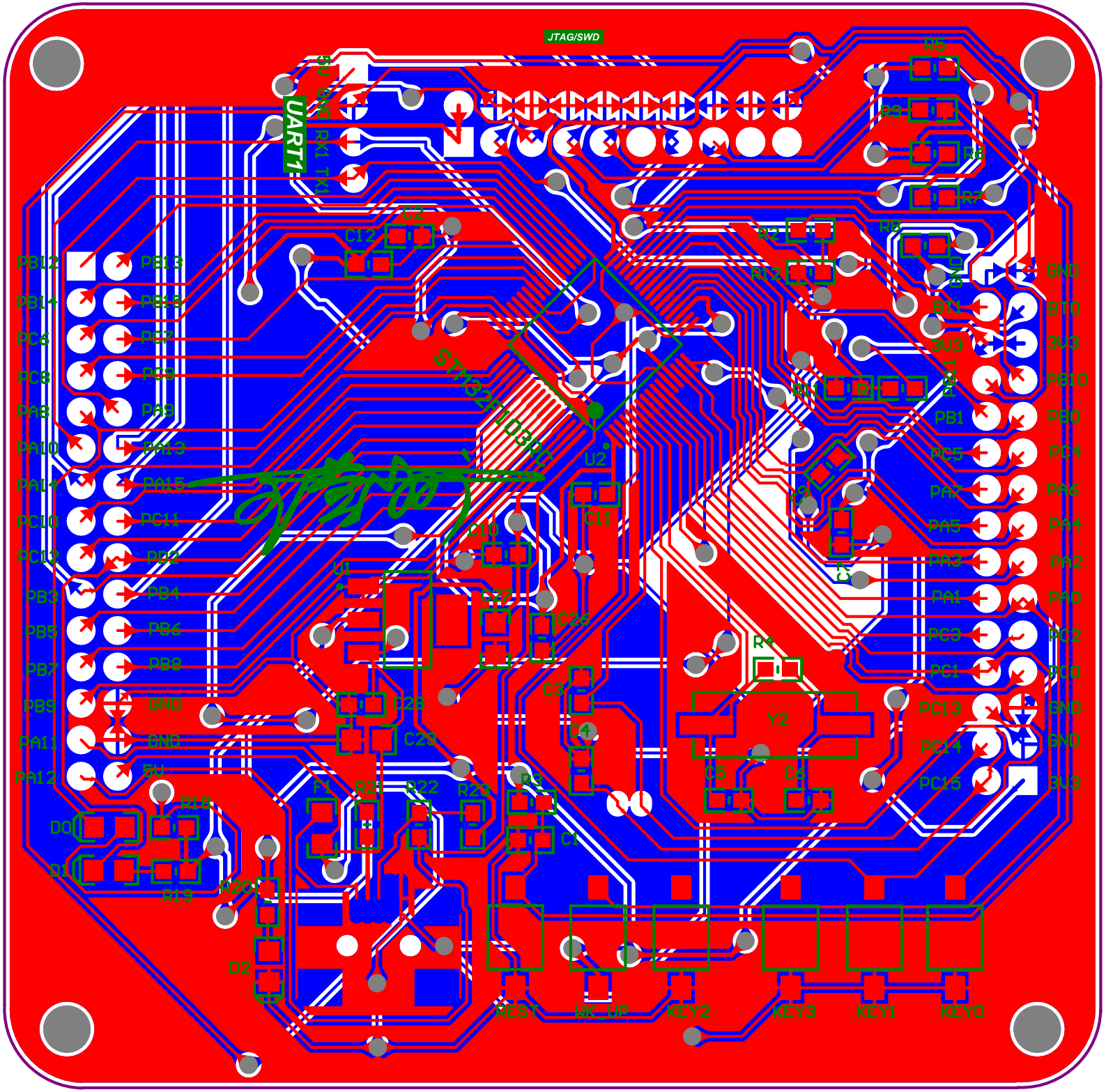
JTAG/SWD
UART1
PB12
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PB14
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PC6
PC7
PC8
PC9
PA8
PA9
PA10
PA13
PA14
PA15
PC10
PC11
PC12
PD2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
GND
PA11
GND
PA12
5V
D0
D1
D2
R12
R13
R20
R21
R22
R23
R3
C1
C2
C3
C4
C5
C6
C9
C10
C11
C12
C25
C26
C29
U1
U2
Y2
R4
R5
R6
R7
R8
R9
R10
R11
R1
R2
GND
BT0
3V3
PB10
PB0
PC4
PA6
PA4
PA3
PA0
PC2
DC0
GND
GND
3V3
PB1
PC5
PA2
PA5
PA1
PC3
PC1
PC13
PC14
PC15
RES1
WK_UP
KEY2
KEY3
KEY1
KEY0

Designator	Footprint	Quantity	Comment
C1, C12	0603C	2	104
C2, C7, C9, C10, C11, C26, C28	0603J	7	104
C3, C4	0603J	2	12pF
C5, C6	0603J	2	20pF
C27, C29	RC0805	2	106
F1	RC0805	1	500mA
J1	mini_USB	1	usb
J2	IDC20	1	10X2H
J3	HDR1X4	1	Header 4
R3, R5, R6, R7, R8, R9	0603J	6	10K
R4	0603J	1	1M
R21, R22	0603J	2	22R
R23	0603J	1	1.5K
REST	SW-SPST	1	
U1	SOT223	1	AMS1117-3.3
U2	LQFP64	1	STM32F103RCT6
Y1	32.768k	1	32.768k
Y2	smt-xtal	1	8MHz