

1

2

3

4

A

A

B

B

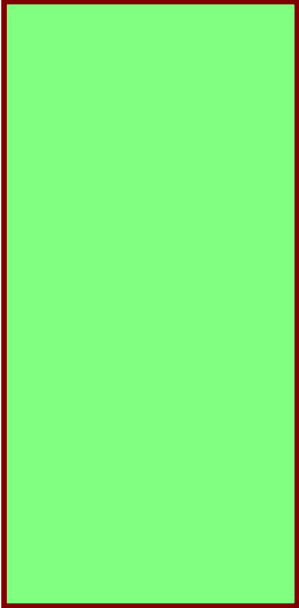
C

C

D

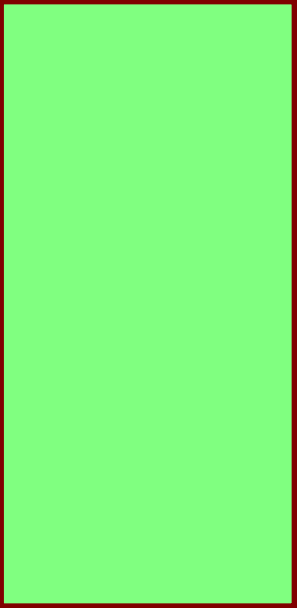
D

STM32F103RC



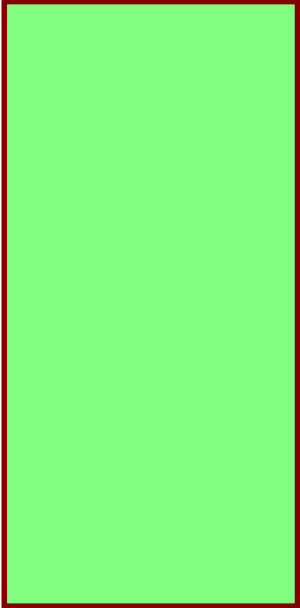
Sheet2

VS1053



Sheet3

POWER



Sheet4

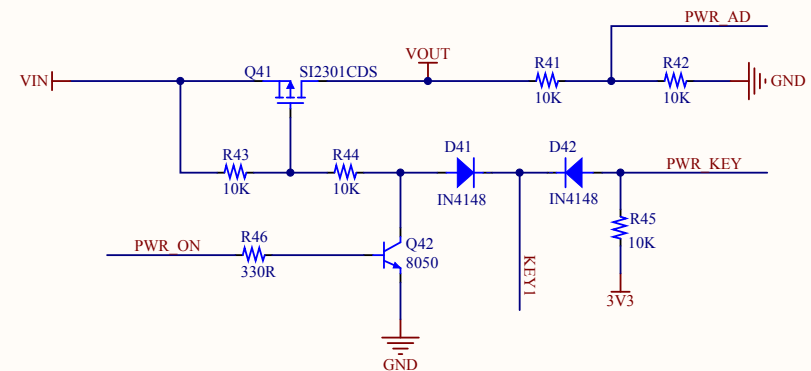
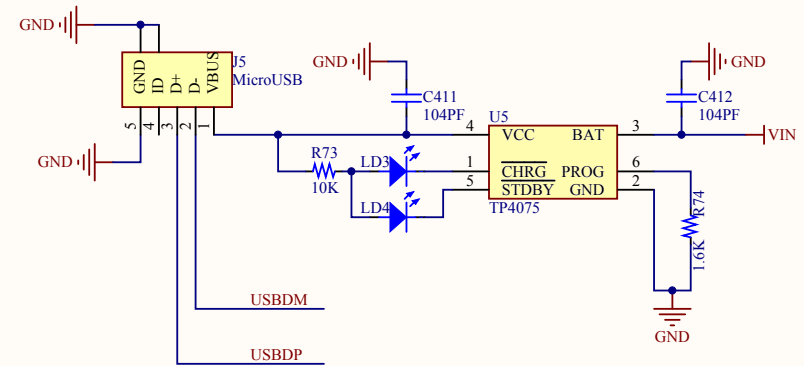
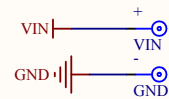
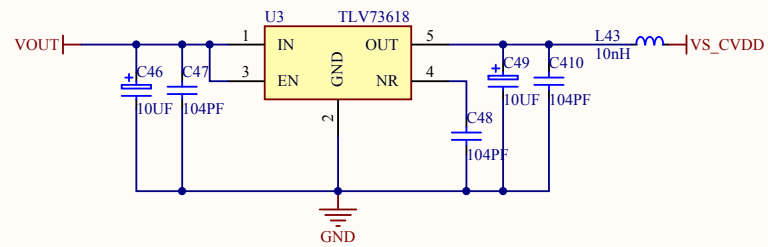
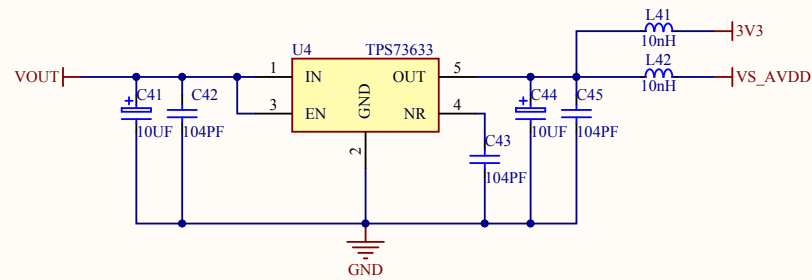
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Size: A4	Revision: V1.0	Sheet: 1/4
Author: Waft_H2O	Data: 2014-10-16	

1

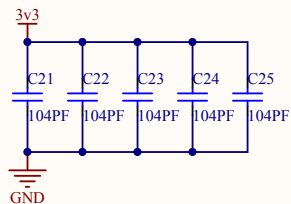
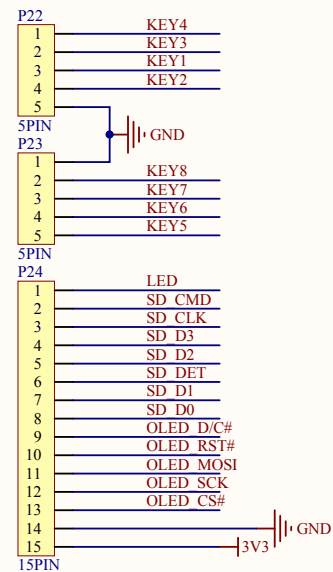
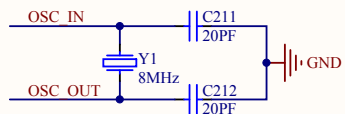
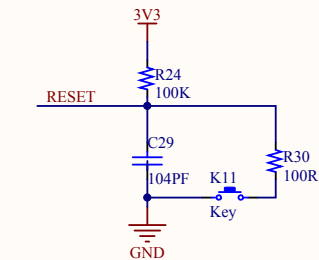
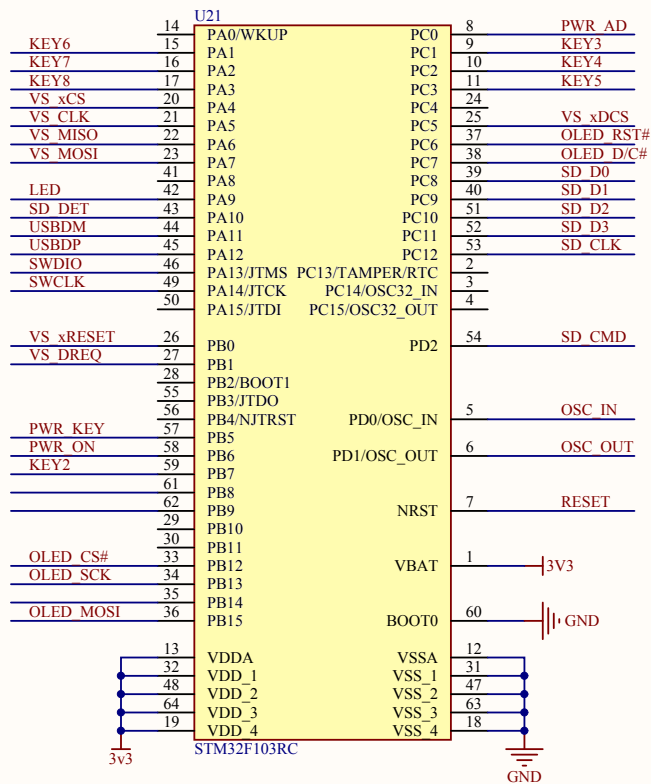
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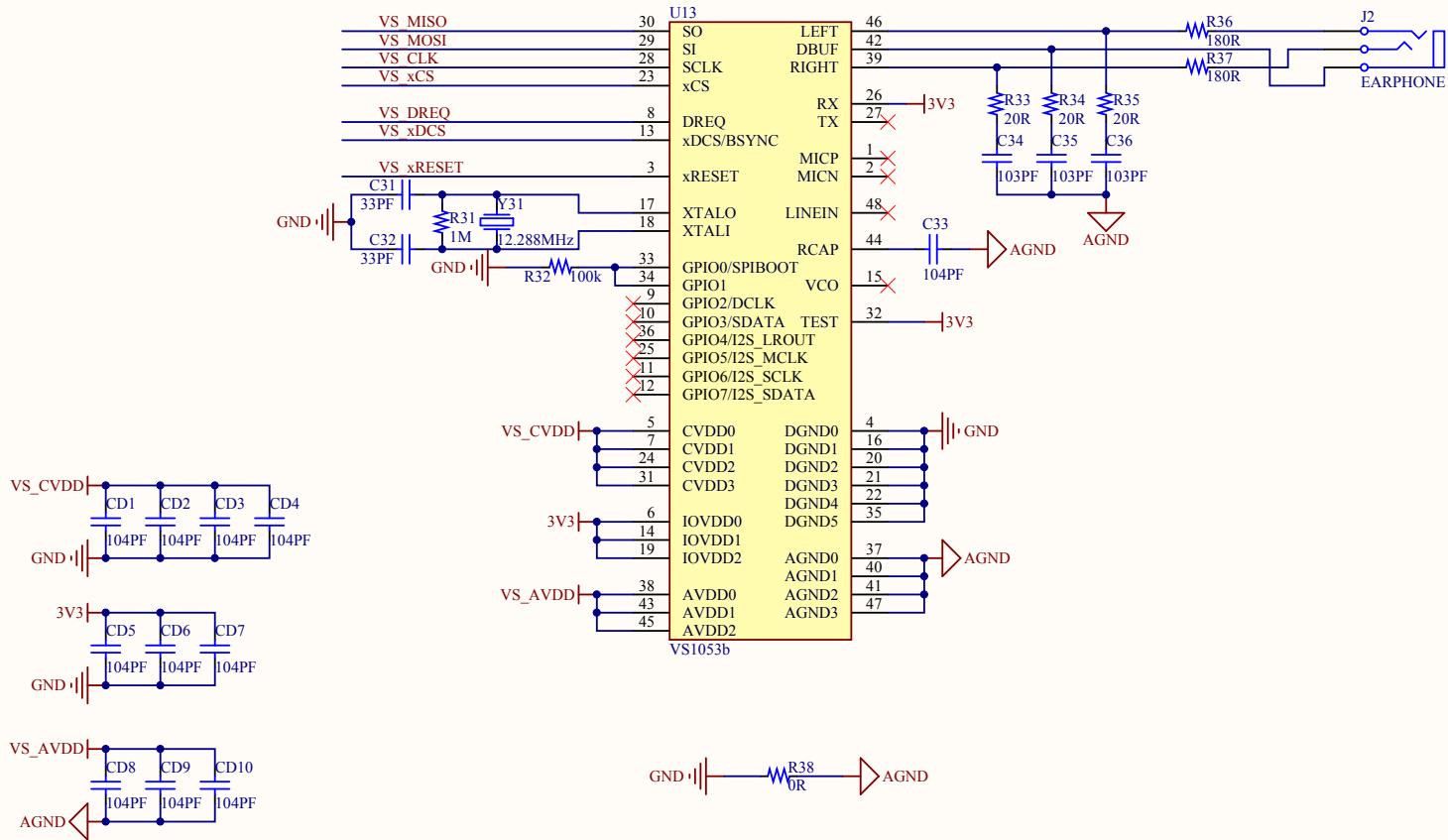
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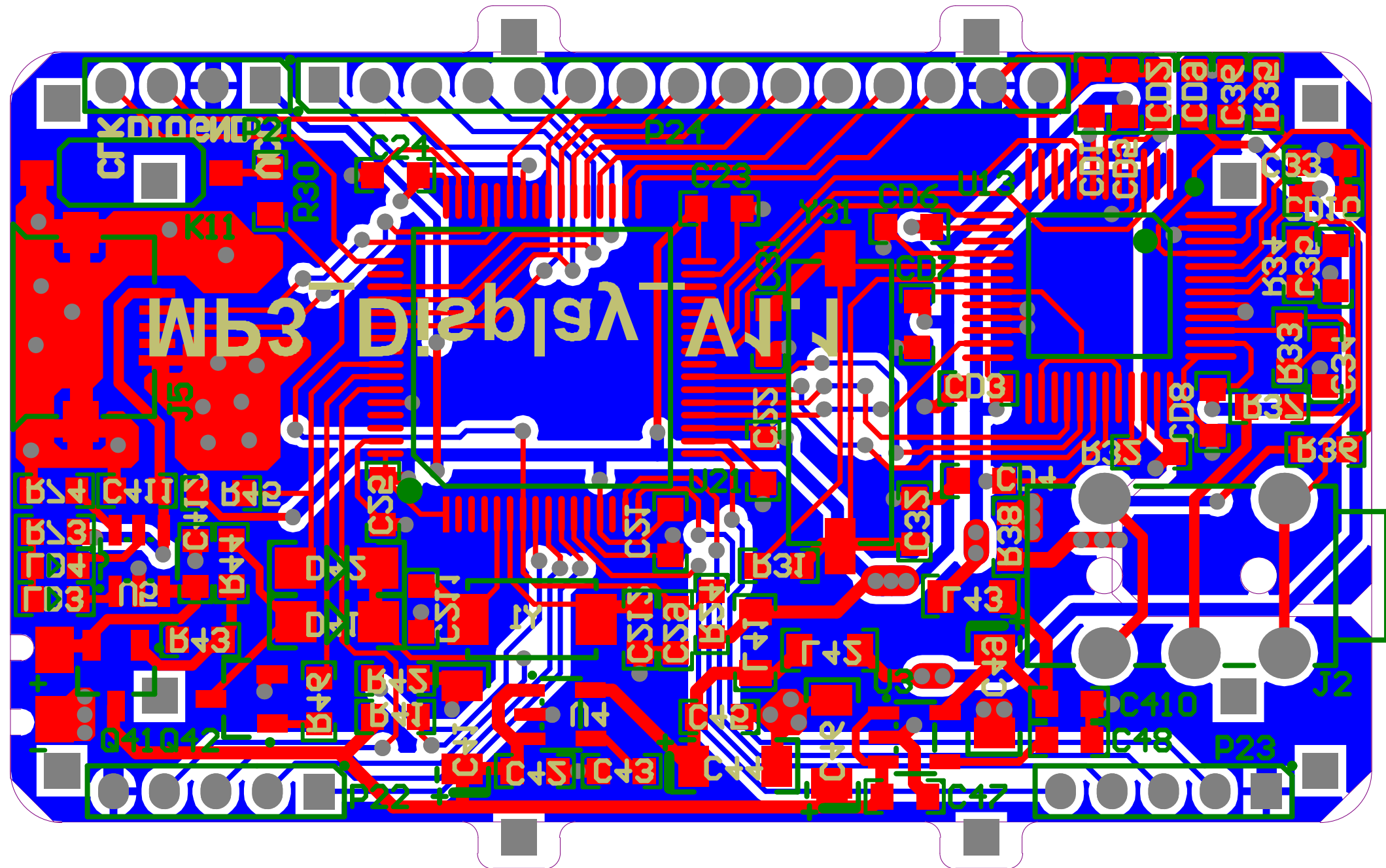
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Size: A4		Revision: V1.0		Sheet: 4/4	
Author: Waft_H2O			Data: 2014-10-16		



Project	MASTER		
Title:	STM32F103RC		
Size: A4	Revision: V1.0	Sheet: 2/4	
Author: Waft_H2O	Data: 2014-10-16		



Project	MASTER		
Title:	VS1053		
Size: A4	Revision: V1.0	Sheet: 3/4	
Author: Waft_H2O		Data: 2014-10-16	



Comment	Description	Designator	Footprint	LibRef	Quantity
VIN	1Pin	+	PAD	1PIN	1
GND	1Pin	-	PAD	1PIN	1
104PF	Capacitor	C21, C22, C23, C24, C25, C29, C33, C42, C43, C45, C47, C48, C410, C411, C412, CD1, CD2, CD3, CD4, CD5, CD6, CD7, CD8, CD9, CD10	0603(1608)	Cap	25
33PF	Capacitor	C31, C32	0603(1608)	Cap	2
103PF	Capacitor	C34, C35, C36	0603(1608)	Cap	3
10UF	Polar_Capacitor	C41, C44, C46, C49	1206(3216)-1	Cap_Polar	4
20PF	Capacitor	C211, C212	0603(1608)	Cap	2
IN4148	General Diode	D41, D42	D1206	Diode	2
EARPHONE		J2	PHONEJACK STEREO	PHONEJACK STEREO	1
MicroUSB		J5	MICRO-USB	MicroUSB	1
Key	key	K11	KEY	Key	1
10nH	Inductor	L41, L42, L43	0805(2012)	Inductor	3
红	Light Diode	LD3	0603(led)	LED	1
绿	Light Diode	LD4	0603(led)	LED	1
4PIN	间距 100mil, 2.54mm	P21	4PIN_2.00mm	4PIN	1
5PIN	间距 100mil, 2.54mm	P22, P23	5PIN_2.00mm	5PIN	2
15PIN		P24	15PIN	15PIN	1
SI2301CDS	P-Channel MOSFET	Q41	SOT95P240-3L	MOSFET-P	1
8050	NPN Bipolar Transistor	Q42	SOT95P240-3L	NPN	1
100K	Resistor	R24, R32	0603(1608)	Res	2
100R	Resistor	R30	0603(1608)	Res	1
1M	Resistor	R31	0603(1608)	Res	1
20R	Resistor	R33, R34, R35	0603(1608)	Res	3
180R	Resistor	R36, R37	0603(1608)	Res	2
0R	Resistor	R38	0603(1608)	Res	1
10K	Resistor	R41, R42, R43, R44, R45, R73	0603(1608)	Res	6
330R	Resistor	R46	0603(1608)	Res	1
1.6K	Resistor	R74	0603(1608)	Res	1
TLV73618	300-mA,Low-I Q, Low-DropoutRegulator	U3	SOT32-5L	TLV702xx	1
TPS73633	Cap-Free,NMOS,400mA Low-DropoutRegulator withReverseCurrent Protection	U4	SOT32-5L	TPS73633	1
TP4075	500mA线性锂离子电池充电器	U5	SOT23-6_1	TP4057	1
VS1053b	Ogg Vorbis/MP3/AAC/WMA/FLAC/ MIDI AUDIO CODEC CIRCUIT	U13	LQFP48	VS1053b	1
STM32F103RC	LQFP64,72MHz maximum frequency,256Kbytes Flash,48Kbytes SRAM	U21	LQFP64	STM32F103RC	1
8MHz	Crystal Oscillator	Y1	XTAL5	XTAL1	1
12.288MHz	Crystal Oscillator	Y31	XTAL6	XTAL1	1