Introduction:

The System Board is a quick start evaluation board which helps you to discover the STM32 features, and to develop and share your own application. It is based on an STM32F103C8T6

Features:

1、STM32F103C8T6 microcontroller, 64 KB Flash, 20 KB RAM
2、Powered by USB and communicated with PC
3、one user LED and one power LED
4、All IO leads
5、5V and 3.3V power out
6、User LED can be selected or not by Jumper(that is for Prevent occupancy IO)
7、USB Communicate can be selected or not by Jumper(that is for Prevent occupancy IO)
8、Reserved 32.768 XTAL solder
9、System reset key
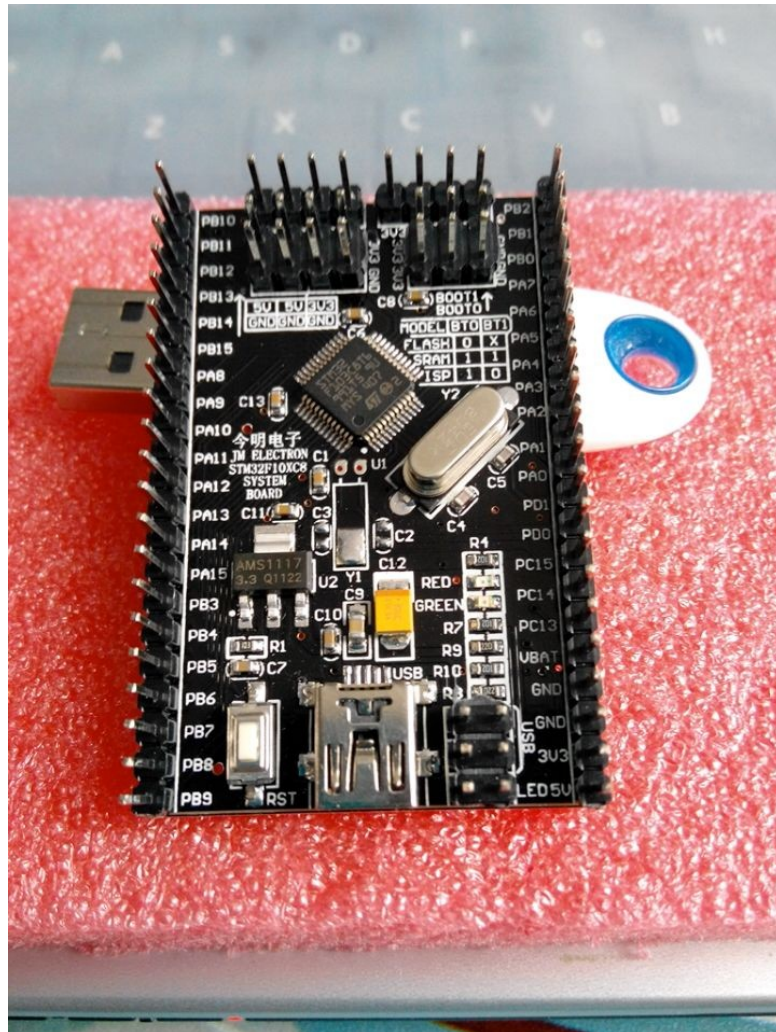10、Reserved usart1 and swim interface that can download code in two ways by tools

Packing:

1、An system board
2、Five Jumpers: one select user LED,two select user USB, one select boot0 to GND, one select boot1 to GND

Note:

We tested the board before shipping to you(when the board is running, the user LED is blinking),when you receive the board,you should test it.

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Figure 1. STM32F1 System Board

1、 Quick start

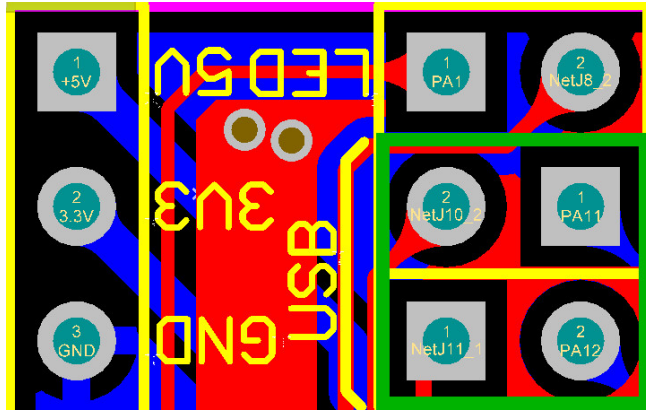It is very simple to get started using the System Board, just follow these four steps:

A、Connect the System Board to a Stlink or other download Tool
B、Connect USB to PC for the board power on,if power on, the power Led is Lighting
C、Short connect user LED pin
D、Download a led code and observe user LED blinking

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2、Layout

User LED Connect

USB Connect

USB Connector

System RESET

User LED

Power LED

32.768 XTAL(doesn't solder)

8M XTAL

STM32F103C8T6

Boot0 and Boot1 Connect to GND or 3.3V

3.3V and 5V Power Out

Usart1 Interface

SWD Interface

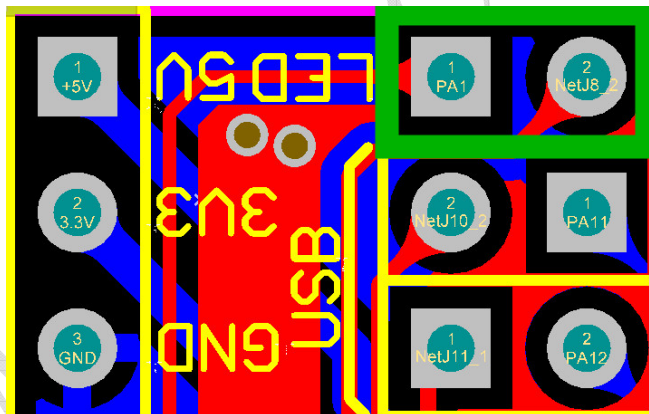Our shop:http://www.aliexpress.com/store/1171466

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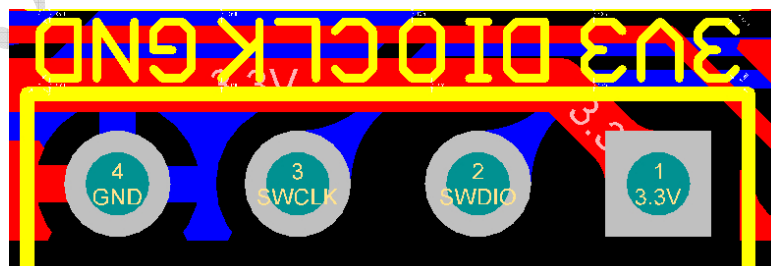
3、Part Show

A、USB Connect(See the Green Box)

If you want to use USB Communicate to PC,you should jump these two interface

B、LED Connect(See the Green Box)

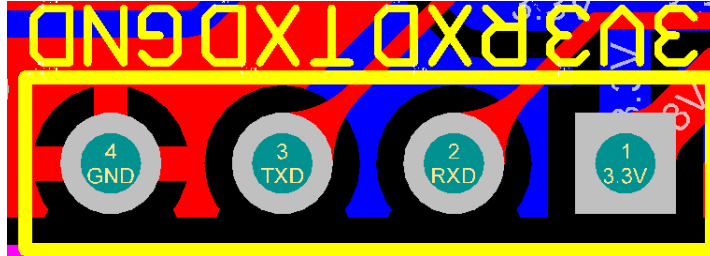If you want to use user LED,you should jump this interface

C、SWIM interface

If you want to download code or emulate,you can connect to your tools,but should Note the direction
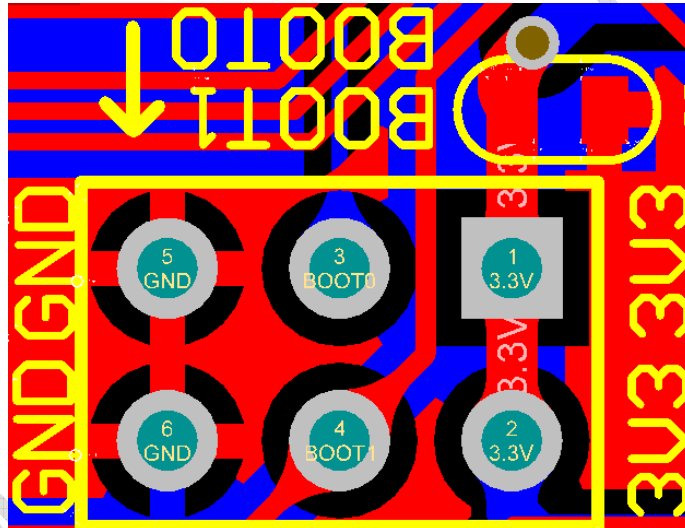
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D、Usart1 interface

    If you want to communicate to PC by USART, you can connect to your tools,but should Note the direction.Also you can use this interface to download code by your tools
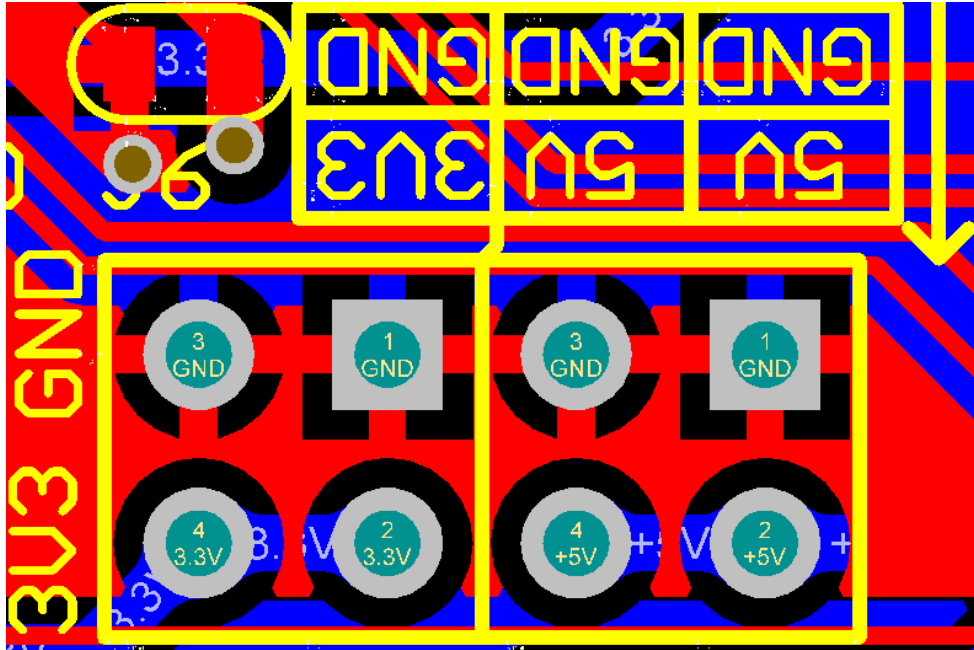
E、Boot connect

①、boot0 connect to GND and boot1 connect to GND or 3.3V, Boot from user Flash.

②、boot0 connect to 3.3V and boot1 connect to GND, Boot from system memory,so that you can isp

③、boot0 connect to 3.3V and boot1 connect to 3.3V, Boot from embedded SRAM

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F、Power out interface

Version:V1.1

Writed by JM electron

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