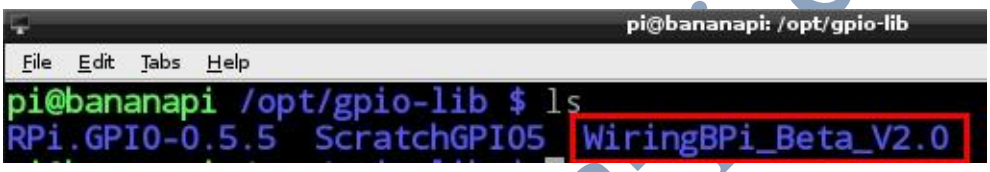
BananaPi uses DVK-511
LCD2.2” color display

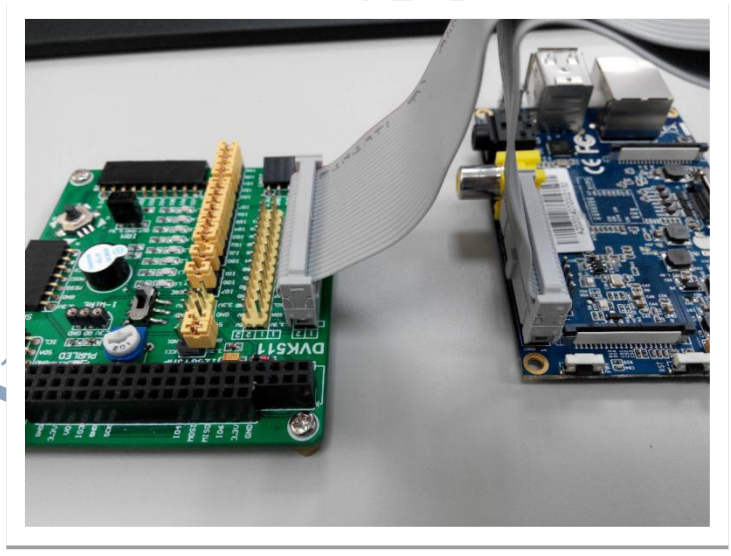
By Justin Chen

1. First go to website http://www.bananapi.com/ download BananaPi customized Raspbian Image; about how to burn the image into SD http://www.bananapi.com/index.php/download?layout=edit&id=42.

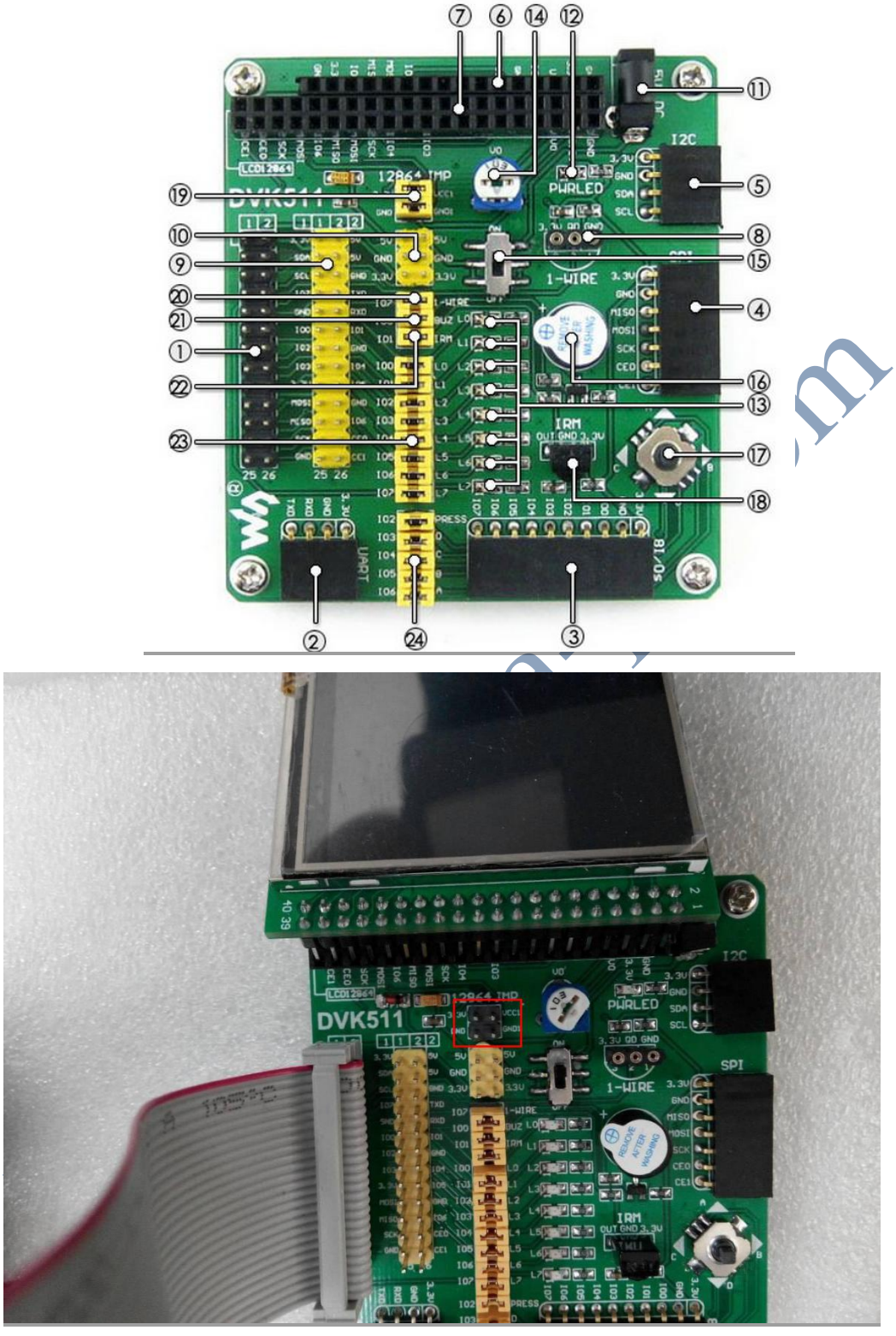
2. The Image burn in SD card has preload the customized WiringPi Lib before, if download WiringPi Lib by yourself, you will need to modify it, otherwise it can’t use; WiringPi Lib can find in /opt/gpio-lib.



3. Banana Pi connect Adapter plate DVK511,as below picture showed.



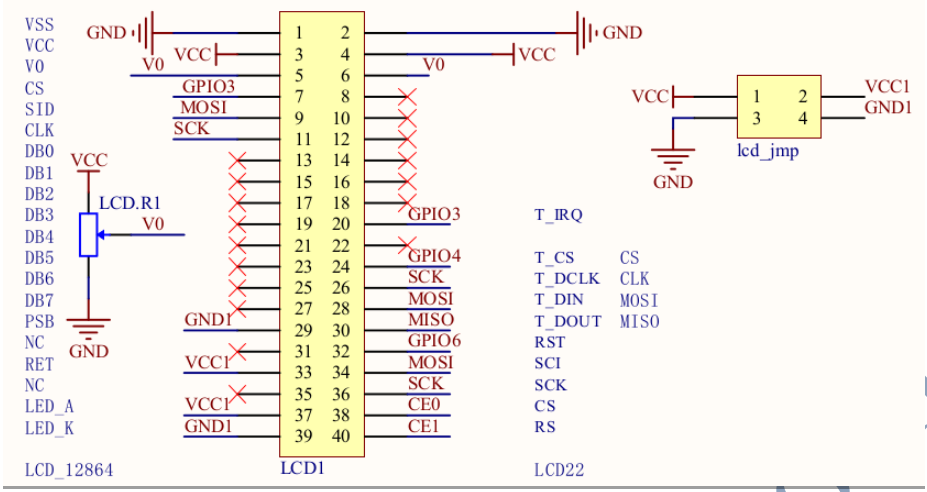
4. To let DVK511’s seventh socket (Character LCD interface: for connecting character LCDs like LCD1602) connect to LCD2.2” color display, and meanwhile need to remove the jumper of nineteen socket.



Above picture showed need remove the jumper of nineteen socket

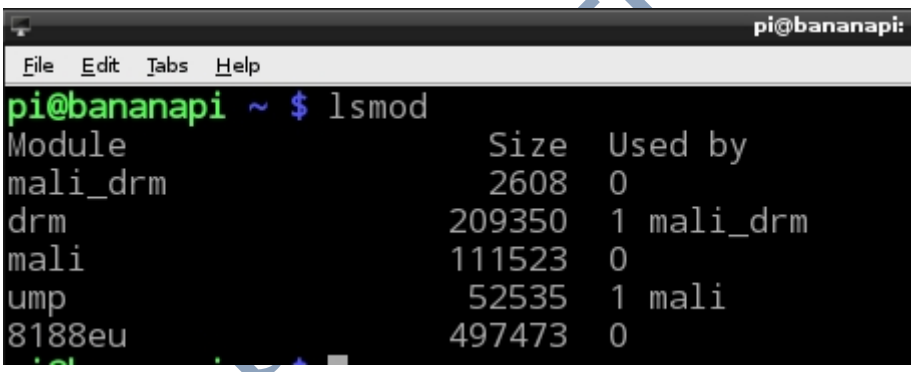
5. Watching corresponding table of LCD2.2” color display and WiringPi Lib PIN to

get know each pins corresponding position.

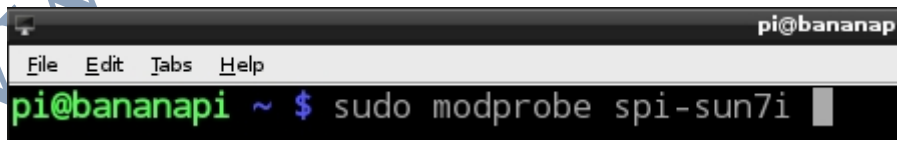


Above picture showed LCD2.2” color display PIN’s corresponding table

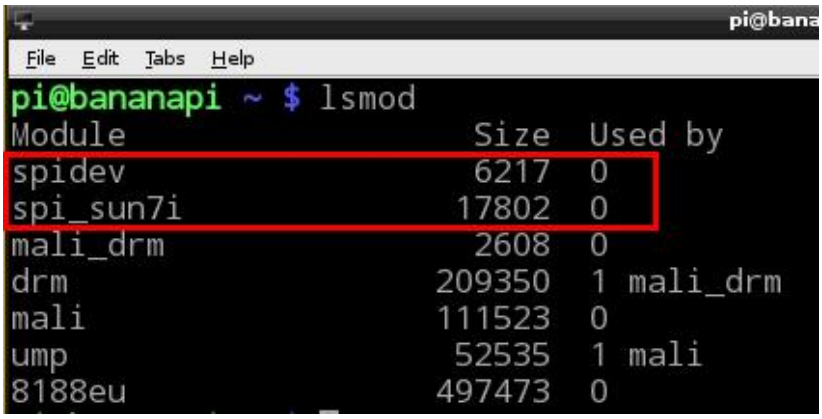
6. Open LXT erminal software, checking whether have on-hook SPI module, executed Ismod order to watching current on-hook module.



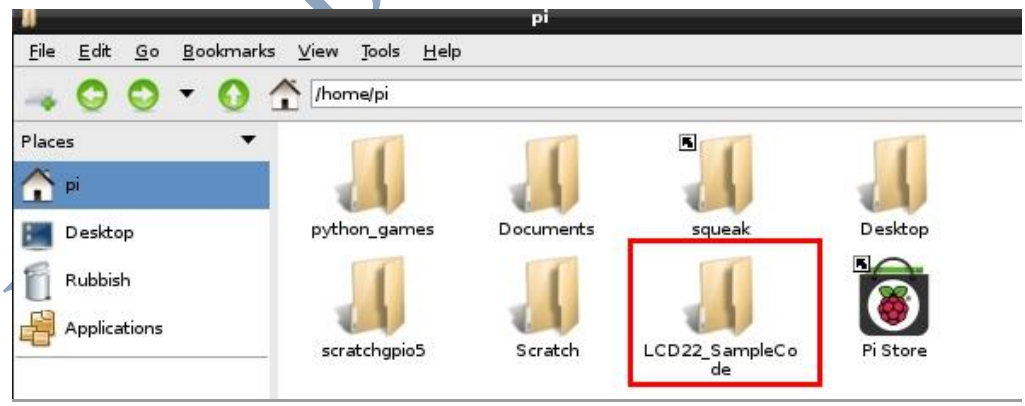
Currently there are no on-hook SPI module from above picture showed, using modprobe spi-sun7i order to checking on-hook module.



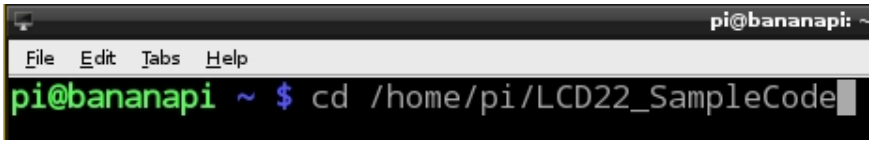
Finished then using Ismod order to watching all on-hook module at current system.



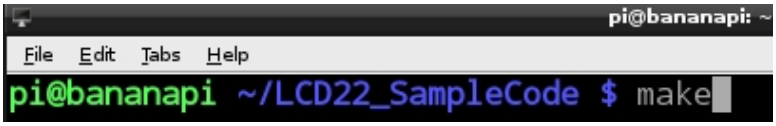
7. Using LCD2.2” color display Sample Code to verify the functions, then open File Manager software. Firstly, copy LCD22 SampleCode file to Home Folder.



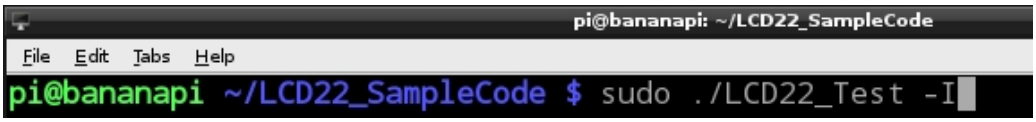
Second, open LXTerminal and change to LCD22 SampleCode file:



Translate and edit this file.



Run executive file, first let LCD2.2” color display initialize input:



Then input corresponding order let LCD2.2” color display show the word string:

8. Check LDC2.2” color display on the DVK511, you will see the output’s caption.