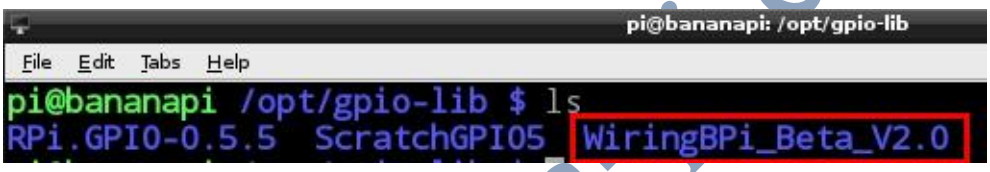
BananaPi uses DVK-511

Rocker& 8Buttons

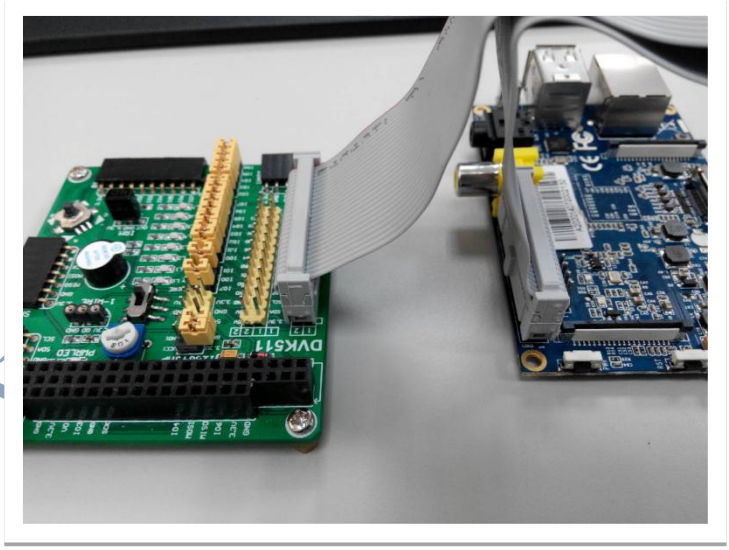
By Justin Chen

1. Please download the customized Raspbian Image for BananaPi from our website http://www.bananapi.comFor how to burnthe images to the SD card, please go to http://www.bananapi.com/index.php/download?layout=edit&id=42

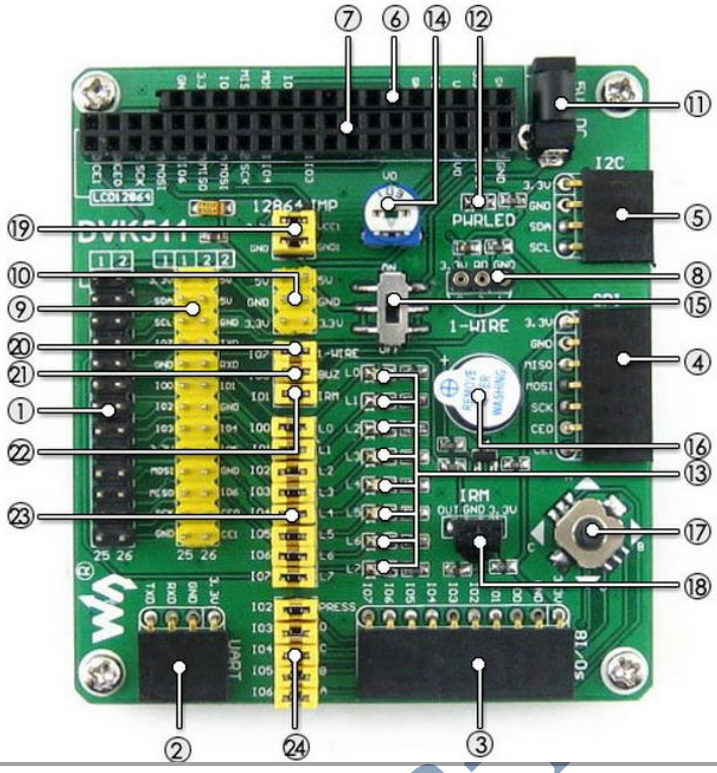
2. The Image burn in SD card has preload the customized WiringPi Lib before, if download WiringPi Lib by yourself, you will need to modify it, otherwise it can't use; WiringPi Lib can find in /opt/gpio-lib.

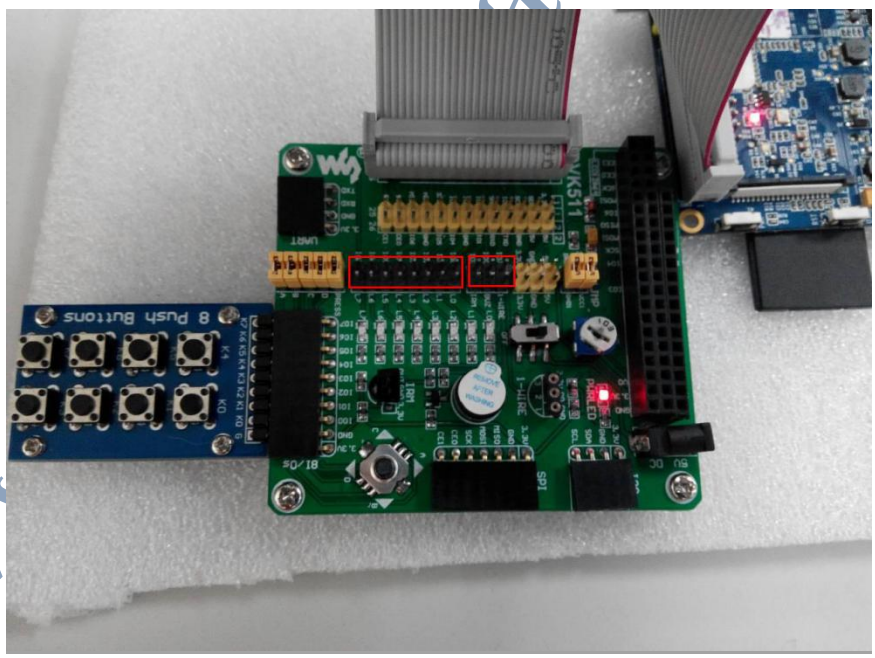


3. Please connect the BananaPi to the interfaceof DVK511.

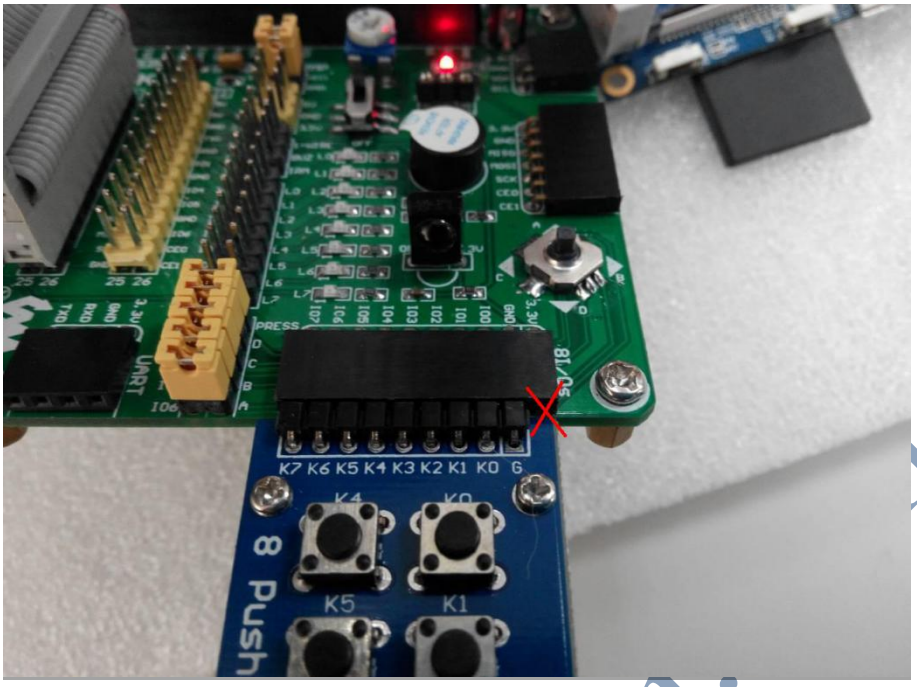


4. No.3 jack of DVK-511 is 8I/Os Interface.You need pull out 20,21,22 slot jumper and 23 slot L0-L7 jumper,and then not influence this function.

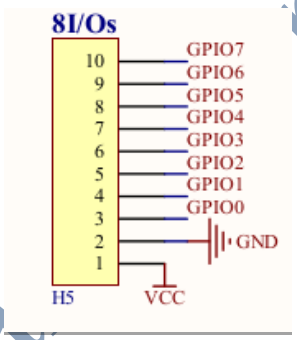




5. When you insert to 8I/Os device,Please don’t insert to DVK-511 3.3V jack,otherwise,it can cause hardware damage.

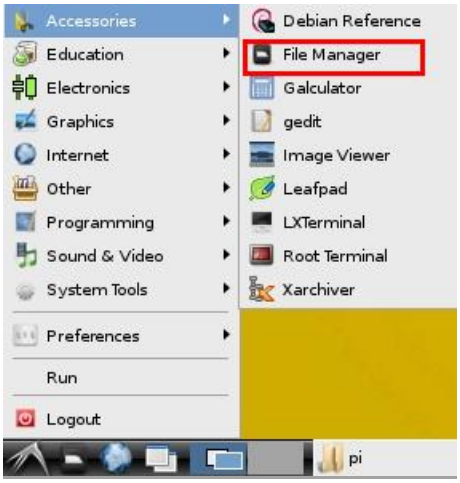


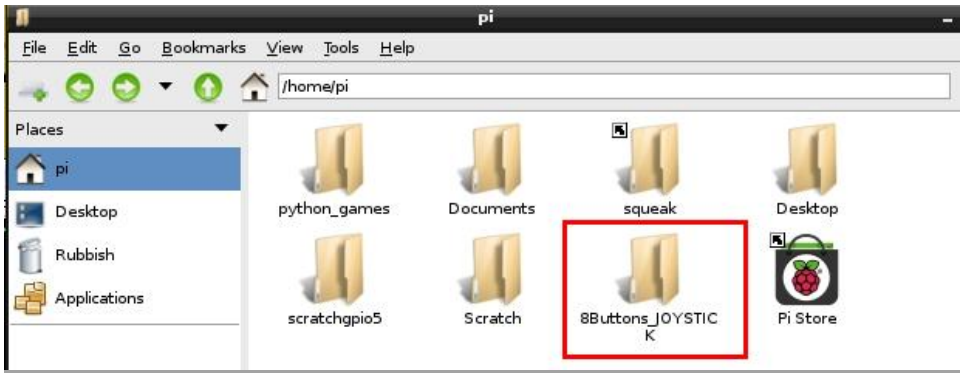
6. Check 8I/Os Buttons images to to get know each PIN's corresponding.



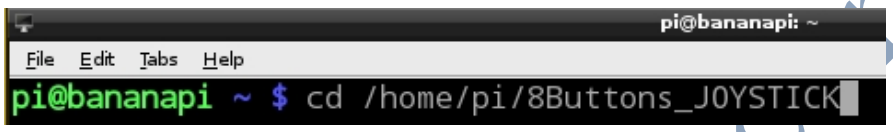
Above picture showed 8I/Os Buttons PIN's corresponding table

7. Use the Buzzer sample code to check the functionality, outset File Manager and copy the 8Buttons_JOYSTICK to the home dictionary.

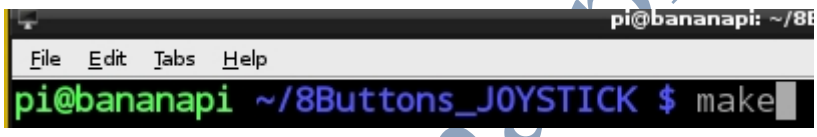




Then outset LXTerminal,switch it to the 8Buttons_JOYSTICK Folder.



Compile 8I/Os Buttons sample code; Run make order.



Run the code and outset the 8I/Os Buttons.

8. Finally press every button on 8Button Board,check LXTerminal the name all display and press.
9. DVK-511 No.24 jack didn't pull out for Joystick jumper experiment,Press the rocker on DVK-511 main board,check the rocker number you press and display on LXTerminal.