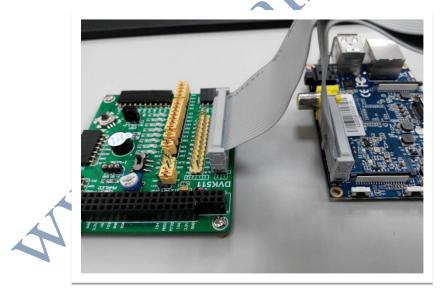
BananaPi uses DVK-511 UART

By Justin Chen

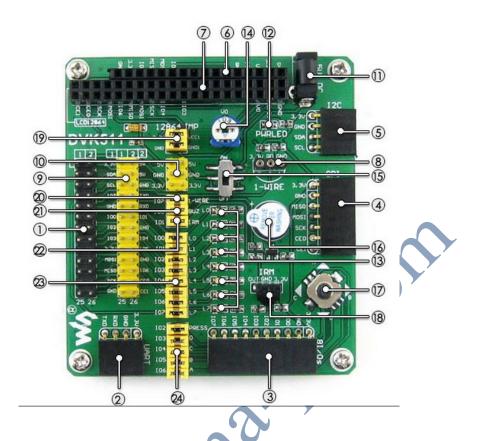
- 1. Please download the customized Raspbian Image for BananaPi from our website http://www.bananapi.comFor how to burnthe images to the SD card, please go to http://www.bananapi.com/index.php/download?layout=edit&id=42
- 2. The Image burn in SD card has preload the customized WiringPi Lib before, if download WiringPi Lib by yourself, you will need to modify it, otherwise it can't use; WiringPi Lib can find in /opt/gpio-lib.



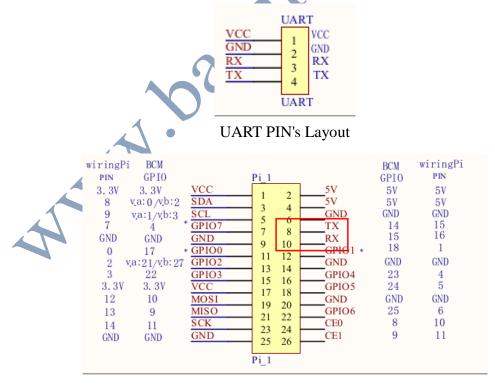
3. BananaPi connect pinboard of DVK511



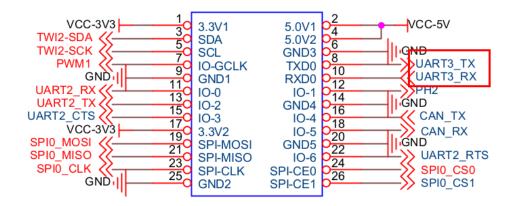
4. DVK511 second jack UART interface •



5. Check UART layout to know the definition of each pins •



It's DVK-511 26PINs Layout from above pictures,then UART PIN pull out from 26pins through extra cable.the eighth and tenth from 26pins shows TX and RX ;



(above pictures)checked relative BananaPi's 26pins layout,can found that eighth and tenth pins is UART3_TX and UART3_RX;then BananaPI defined UART Serial ports as ttyS2 °

6. Open File Manager, copy UART's Data to home's catalog file



Open LXTerminal on the desktop, swich to relative UART data file.



Execute compiled order:



Running order and UART serial port testing program

```
File Edit Tabs Help

pi@bananapi: ~/UART

pi@bananapi ~/UART $ sudo ./serialTest_BPi ttyS2
```

6. Install serial port program in another computer, example: Ubuntu can install minicom to check serial port •

http://hacker81305.pixnet.net/blog/post/4397785-minicom-%E5%AE%89%E8%A3%9D%E6%95%99%E5%AD%B8

```
| A - Serial Device : /dev/ttyUSB0 |
| B - Lockfile Location : /var/lock |
| C - Callin Program : |
| D - Callout Program : |
| E - Bps/Par/Bits : 115200 8N1 |
| F - Hardware Flow Control : No |
| G - Software Flow Control : No |
| Change which setting?
```

Installed minicom in Ubuntu , please revised /dev/ttyUSB0

7. Finally entering into any character arbitrarily in minicom which install from Ubuntu ,will appear relative character in LXTerminal •