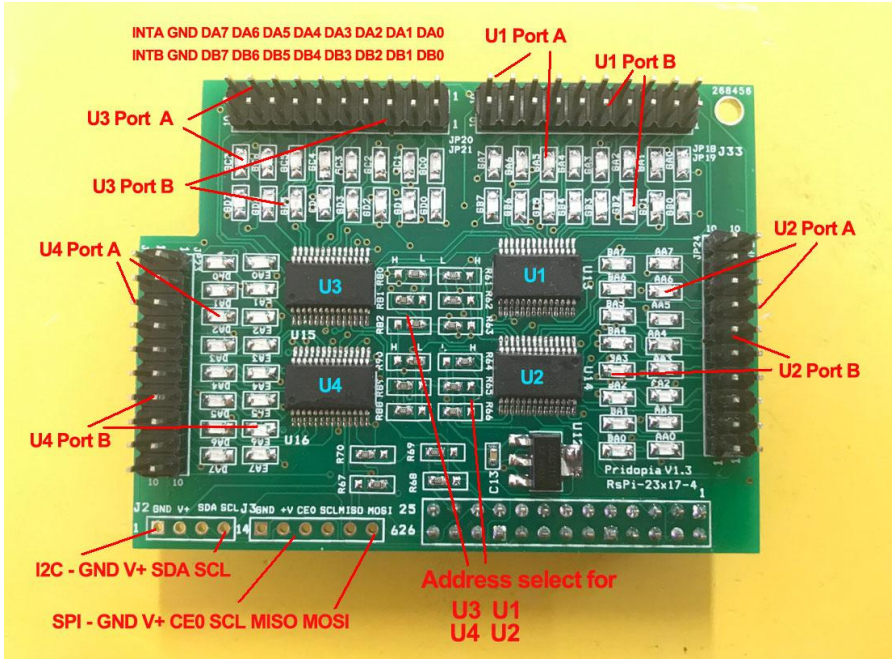
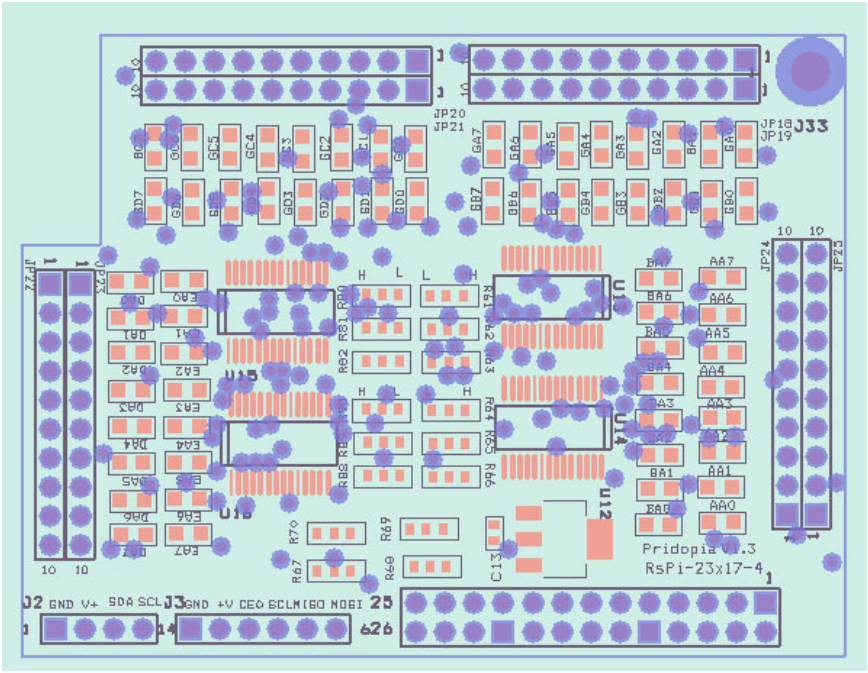
Rs-Pi-23s17-4 SPI 64 GPIO User Manual

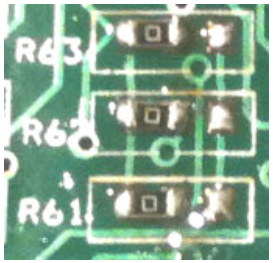




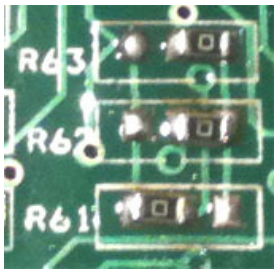
1. JP18 GA0 ~ GA7 U13 Port A JP19 GB0 ~ GB7 U13 Port B
2. JP25 AA0 ~ AA7 U14 Port A JP24 BA0 ~ BA7 U14 Port B
3. JP20 GC0 ~ GC7 U15 Port A JP21 GD0 ~ GD7 U15 Port B
4. JP22 DA0 ~ DA7 U16 Port A JP23 EA0 ~ EA7 U16 Port B
5. R61,R62,R63 (for U13 Address select A0,A1,A2)
6. R64,R65,R66 (for U14 Address select A0,A1,A2)
7. R80, R81,R82 (for U15 Address select A0,A1,A2)
8. R88,R89,R90 (for U16 Address select A0,A1,A2)
9. U13 (000) 23s17 -1 Port A,B U14 (001) 23s17-2 Port A,B
10. U15 (010) 23s17 -3 Port A,B U16 (011) 23s17-4 Port A,B

A0, A1, A2 address * right side GND low - 0 * left side Vcc High - 1

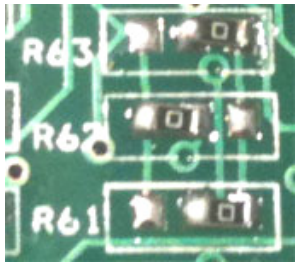
000 -



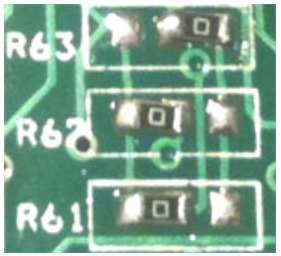
001 -



010 -



011



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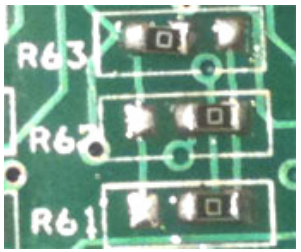

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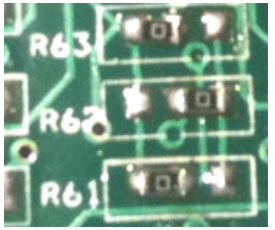
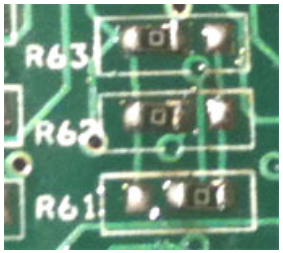


110



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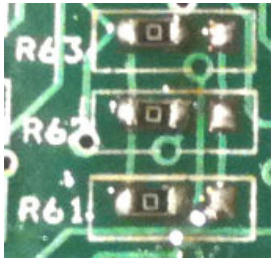


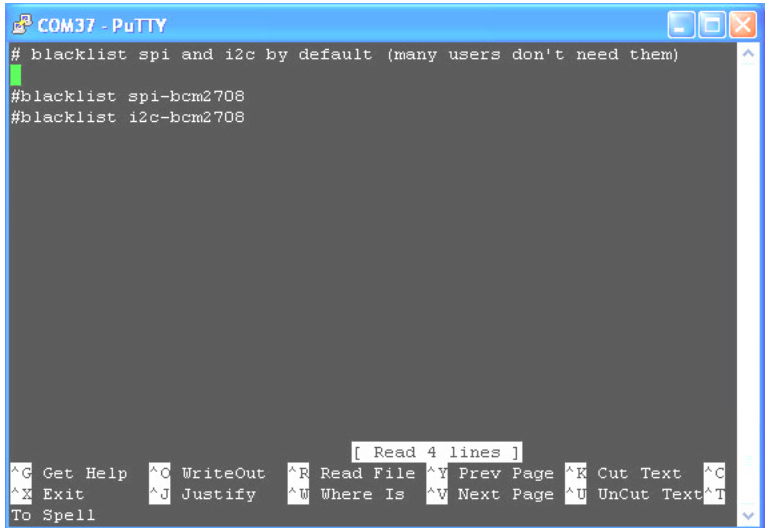
Always enabling SPI

To always enable the SPI driver: After logging in,
edit /etc/modprobe.d/raspi-blacklist.conf

sudo nano etc/modprobe.d/raspi-blacklist.conf

Insert a **#** at the start of the line containing blacklist spi-bcm2708

#blacklist spi-bcm2708



Download test program from our web site

1. n23s17-cs0.py
2. 23s17-4port-v2.py

http://www.pridopia.co.uk/pi-23s17-4-lp.html

https://pypi.python.org/pypi/RPi.GPIO GPIO library

GPIO library - RPi.GPIO-0.5.3a.tar.gz

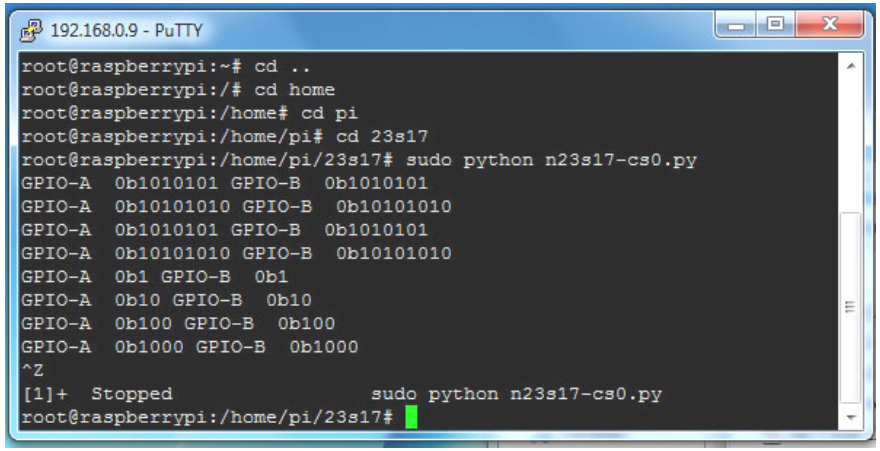
Install python , library and run the test program

sudo apt-get install python-dev

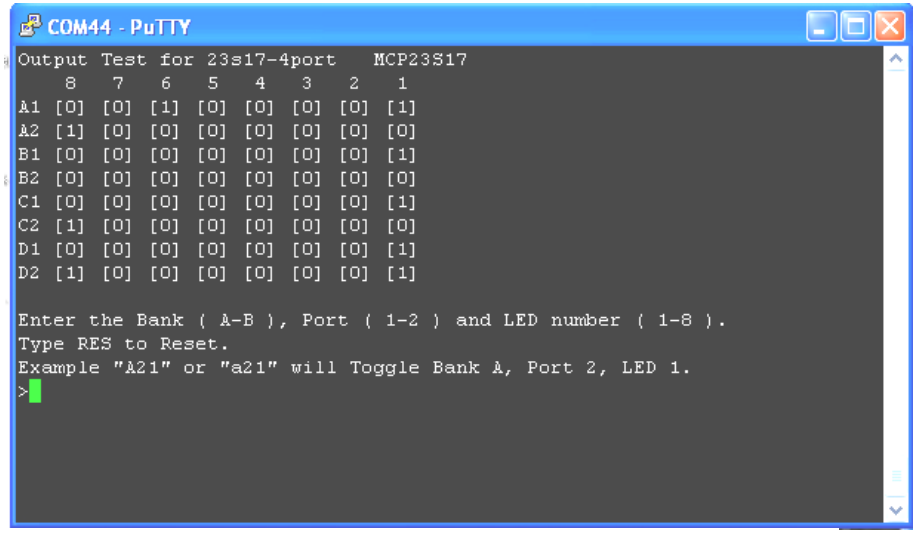
wget http://www.pridopia.co.uk/pi-pgm/RPi.GPIO-0.5.3a.tar.gz

gunzip RPi.GPIO-0.5.3a.tar.gz
tar –xvf RPi.GPIO-0.5.3a.tar
cd RPi.GPIO-0.5.3a
sudo python setup.py install

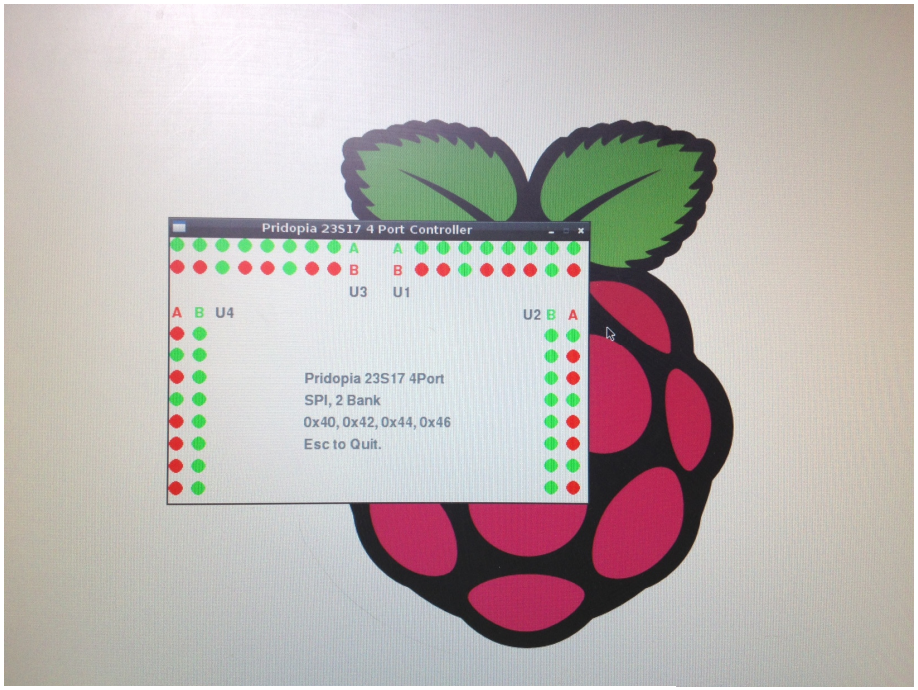
sudo python xxx.py (xxx.py it's name of test program)



n23s17-cs0.py 64 GPIO output demo



new test program 23s17-4port-s-v103.py demo



new GUI interface output software 23s17-4port-GUI.py demo

Download test program from our web site

http://www.pridopia.co.uk/pi-23s17-4-lp.html

23s17-cs0.py 23s17-cs1.py

23s17-4port-v3.py 23s17-4port-s-v103.py

23s17-4port-GUI.py red.png green.png download these three files