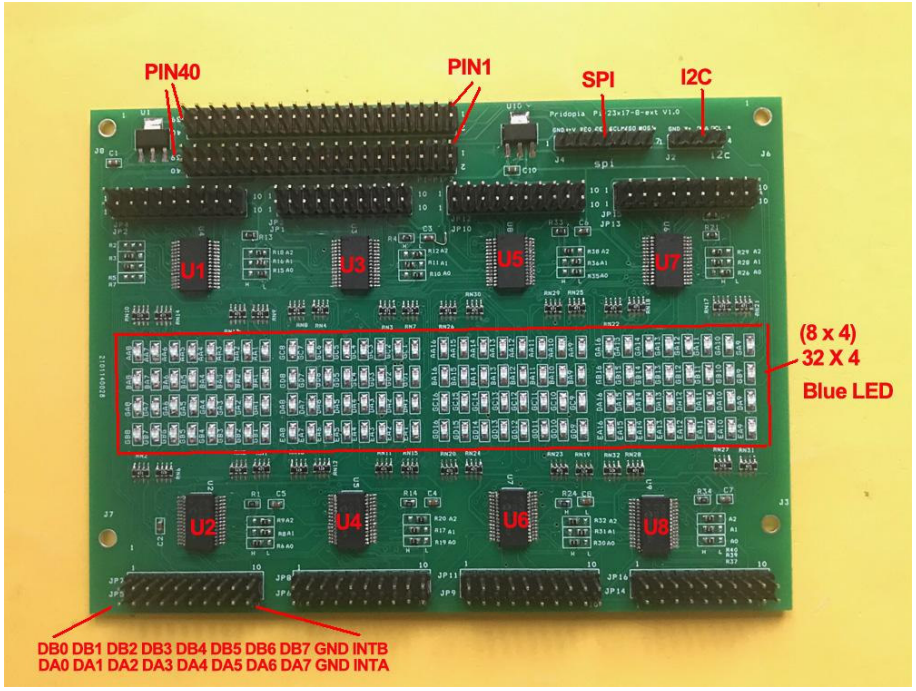
SPI 23s17-8 Ext 128 GPIO User Manual



1. Provide 2x 20x2 40 pin same as Pi, one use 40pin GPIO cable connect to Pi, one 20x2 40pin for GPIO pin extra access.
2. Provide extra i2c pin and spi pin for easy connect device
3. Provide 128 GPIO status blue LED

4 Provide each 23017 Address select A0,A1,A2

can rearrange 23017 location by your order

5. U2 ,U3 ,U4, U5 ,U6 ,U7,U8 ,U9 23017 Port A,B

6. Each GPIO pin out 2X10 ,

Bank B(1-10) GPIO (0,1,2,3,4,5,6,7,GND, INTB)

Bank A(1-10) GPIO (0,1,2,3,4,5,6,7,GND, INTA)

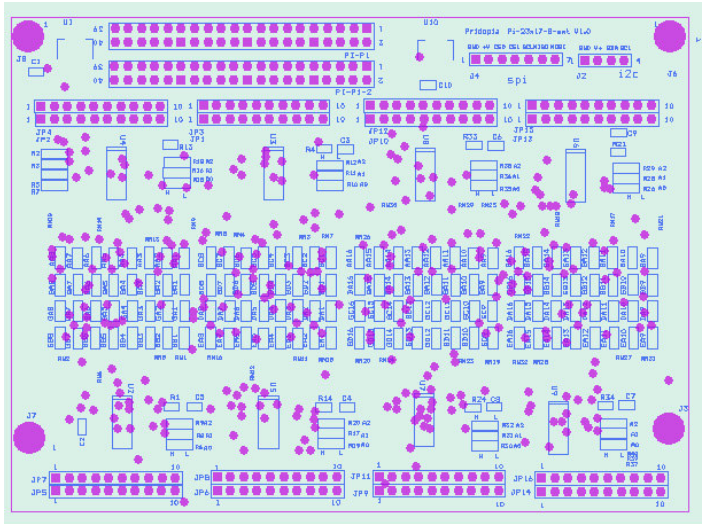
Download test program from our web site

n23s17-cs0.py 23s17-8port-vf.py

http://www.pridopia.co.uk/pi-23s17-8-ext.html

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

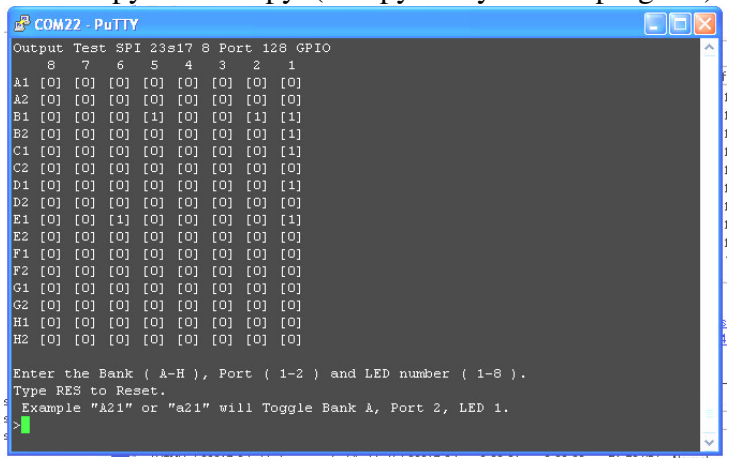
GPIO library - RPi.GPIO-0.5.6.tar.gz



Install python , library and run the test program

sudo apt-get install python-dev

wget http://www.pridopia.co.uk/pi-pgm/RPi.GPIO-0.5.6.tar.gz
gunzip RPi.GPIO-0.5.6.tar.gz
tar –xvf RPi.GPIO-0.5.6.tar
cd RPi.GPIO-0.5.6
sudo python setup.py install
sudo python xxx.py (xxx.py it's your test program)



Test program 23s17-8port-s-v103.py demo

Input "a21" will toggle Bank A, port 2, bit 1 on