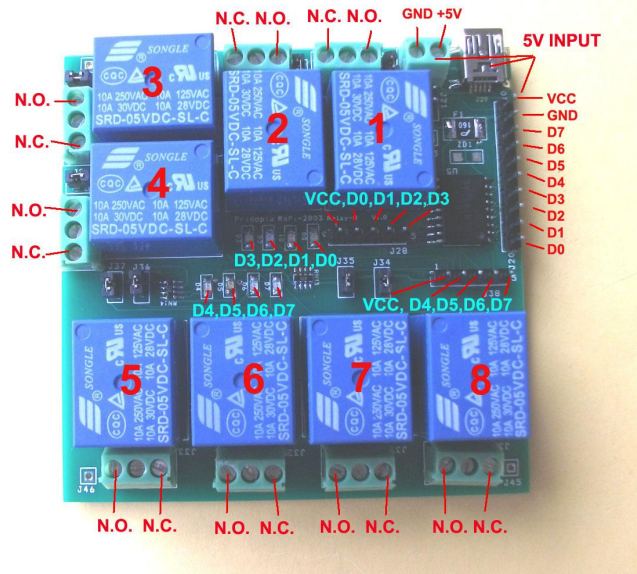# RsPi-8bit input 2803 8 Relay Board User Manual

1. J20 pin 1 to 10 (for signal input)
(D0, D1,D2,D3,D4,D5,D6,D7,GND,Vcc)
OUTPUT with D0~ D7 LED
D0,D1,D2,D3,D4,D5,D6,D7 control Relay 1,2,3,4,5,6,7,8
2. J10 & Mini USB for 5V input for Relay
3. J17 J15 J25 J24 J34 J35 J36 J37 Relay 1,2,3,4,5,6,7,8 Disable
    Plug-in - enable,   remove – disable
4, J38 PIN 1 to 5 (Vcc, D0, D1,D2,D3)
    J28 pin 1 to 5 (Vcc, D4, D5, D6, D7)
5.. J21 Vcc input Disable from J11
    Plug-in - enable,   remove - disable

ULN2803 can use RS-Pi pin 11,12,13,15,16,18,22,7 as
   GPIO 0 to GPIO 7 for input

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

GPIO library   -   RPi.GPIO-0.5.3a.tar.gz
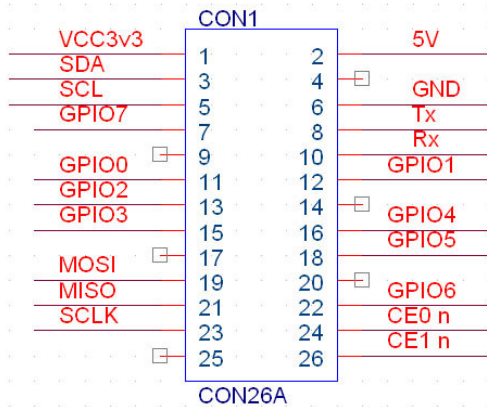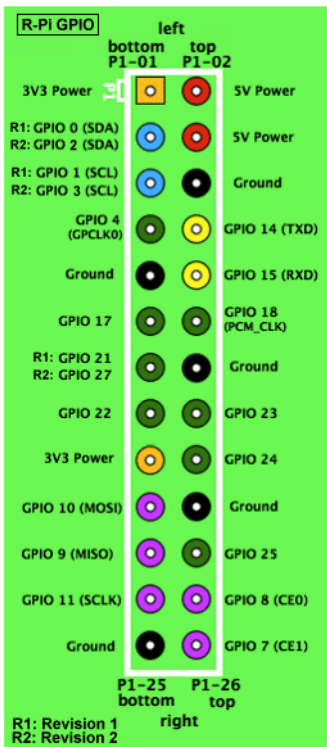
Install python , library and run the test program

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

TEST
sudo python xxx.py   (xxx.py is test program)

Demo Python program
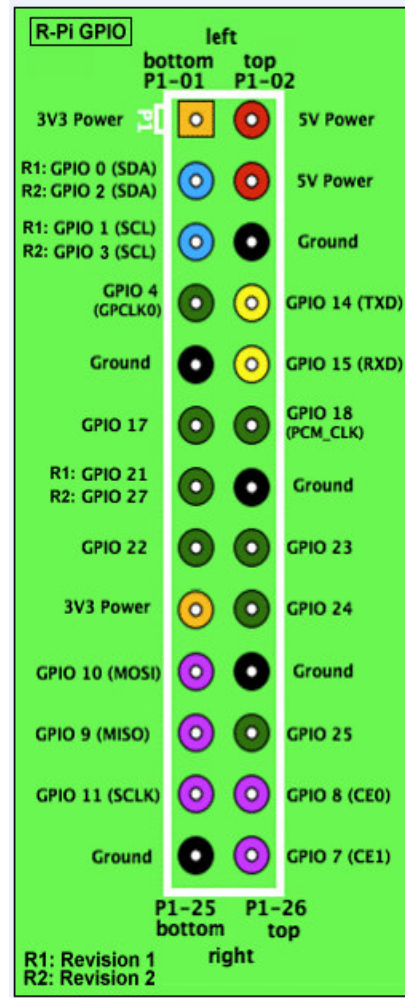**http://www.pridopia.co.uk/pi-2803-8relay.html**
8Relay.py

Package Content

1x Rs-Pi 8bit input 2803 8 Relay board
1x Manual

8Relay.py demo

Scratch interface software download

http://www.pridopia.co.uk/rs-pi-set-scratch.html

Example :   1. G17out g27out   (g17,g27 LED on off)
                Delay 1 sec
             2. G17on g27off
                Delay 2 sec
             3. G17off g27on
                Delay 2se
             4 . goto step 2

example Program g17-g27demo.sb   g17-g27demo.py