**# gpio.h**

# Python GPIO Functions for **Stepper Motor** Control using Baglebone Black

# Import standard python libraries

import sys

import os

# Import GPIO part of SYSFS Library

SYSFS\_GPIO\_DIR = "/sys/class/gpio"

# Unexport GPIO Pin means disappear the GPIO Pin (come out from GPIO\_DIR directory)

def gpioUnexport (gpio):

try:

fo = open(SYSFS\_GPIO\_DIR + "/unexport","w")

fo.write(gpio)

fo.close()

return

except IOError:

return

# Export GPIO Pin means appear the GPIO Pin (go into GPIO\_DIR directory)

def gpioExport (gpio):

try:

fo = open(SYSFS\_GPIO\_DIR + "/export","w")

fo.write(gpio)

fo.close()

return

except IOError:

return

# Set the direction to GPIO Pin

def gpioSetDir (gpio, flag):

try:

fo = open(SYSFS\_GPIO\_DIR + "/gpio" + gpio + "/direction" ,"w")

fo.write(flag)

fo.close()

return

except IOError:

return

# Set or Reset Value or Status of GPIO Pin

def gpioSetVal (gpio, val):

try:

fo = open(SYSFS\_GPIO\_DIR + "/gpio" + gpio + "/value" ,"w")

fo.write(val)

fo.close()

return

except IOError:

return