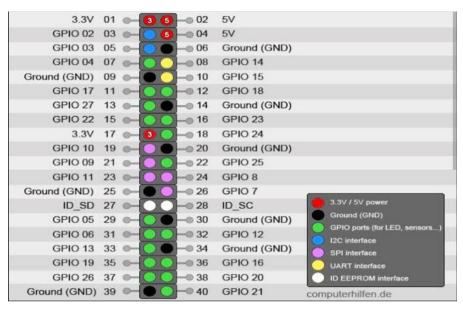
ASSIGNMENT 3

PYTHON CODE FOR TRAFFIC LIGHTS IN RASPBERRY PI

PYTHON CODE:

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
      button.wait_for_press()
      buzzer.on()
      light.red.on()
      sleep(1)
      lights.amber.on()
      sleep(1)
      lights.green.on()
      sleep(1)
      lights.off()
      buzzer.off()
```

GPIO PIN DIAGRAM:



GPIO PINS USED:

- GP 21-BUTTON
- GP 15-BUZZER
- GP 25- RED LED
- GP 8- YELLOW LED
- GP 7- GREEN LED