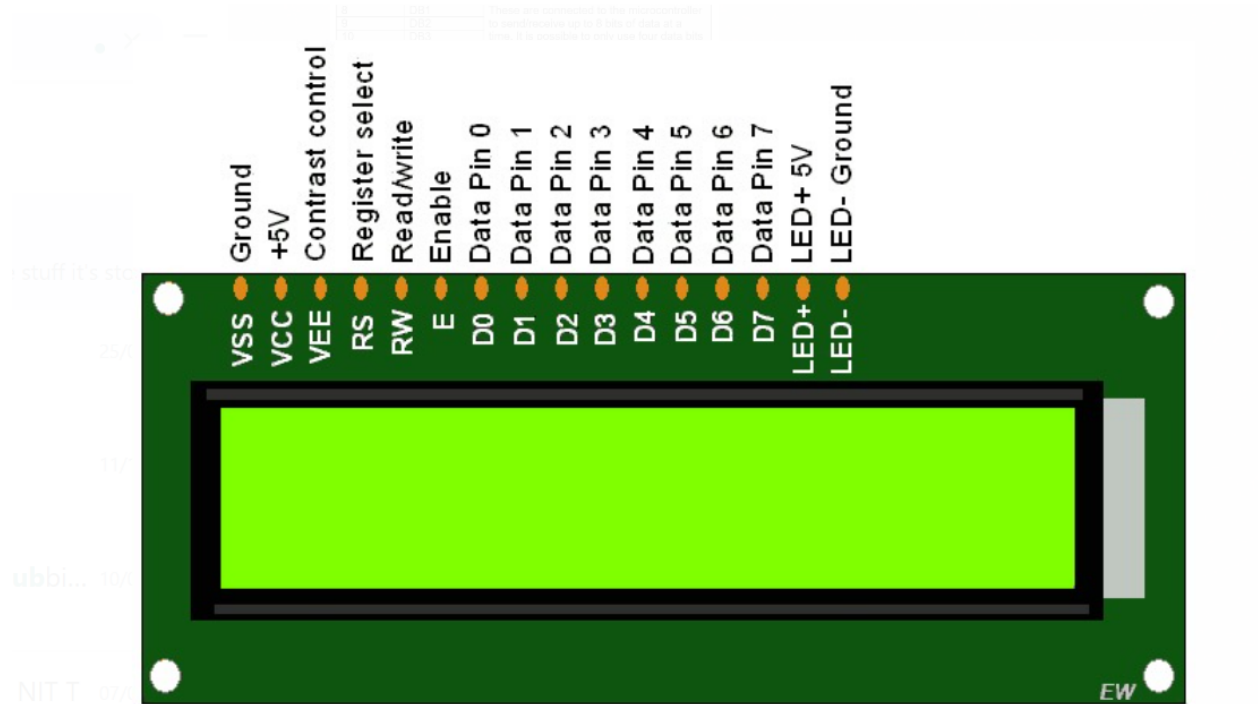


# lab 9 - LCD



VEE - ground

RS - gpio (gpio number)

RW - ground

E - gpio (gpio number)

d0,d1,d2,d3

d4,d5,d6,d7 - used some gpio (gpio number)

LED+ - 5V

LED- - ground

```
import time
import board as b
import digitalio as dio
import adafruit_character_lcd.character as lcd
```

```
lcd_col = 16
lcd_row = 2
rs = dioDigitalInOut(b.D7)
en = dioDigitalInOut(b.D8)
d4 = dioDigitalInOut(b.D11)
d5 = dioDigitalInOut(b.D25)
d6 = dioDigitalInOut(b.D24)
d7 = dioDigitalInOut(b.D10)
backlight = dioDigitalInOut(b.D4)

lcd = clcd.Character_LCD_Mono(rs,en,d7,d6,d5,d4,backlight)
lcd.cursor_position(0,0)
lcd.message = "Hey"
lcd.cursor_position(4,0)
lcd.message = "there."
time.sleep(3)
lcd.cursor_position(0,0)
lcd.message = "How you doing?"
time.sleep(3)
lcd.clear()
```