

More options for your 7-Segment Display

You need to connect CLK to Pin 5, DIO to Pin 4

Also the tm1637.py library is present.

You can download a copy from our github page:

<https://github.com/ssgoh/The-Pi-Club/tree/main/Club%20Meetings%202023/Meeting%2003%20-%20Mar%2005%202023>

#Reference <https://github.com/mcauser/micropython-tm1637/blob/master/README.md>

```
import tm1637
from machine import Pin
tm = tm1637.TM1637(clk=Pin(5), dio=Pin(4))

# all LEDS on "88:88"
tm.write([127, 255, 127, 127])

# all LEDS off
tm.write([0, 0, 0, 0])

# show "0123"
tm.write([63, 6, 91, 79])

# show "COOL"
tm.write([0b00111001, 0b00111111, 0b00111111, 0b00111000])

# show "HELP"
tm.show('help')

# display "dEAd", "bEEF"
tm.hex(0xdead)
tm.hex(0xbeef)

# show "12:59"
tm.numbers(12, 59)

# show "-123"
tm.number(-123)

# show temperature '24*C'
tm.temperature(24)
```

all the functions e.g. temperature() can be found in tm1637.py. Open up tm1637.py and have a look.