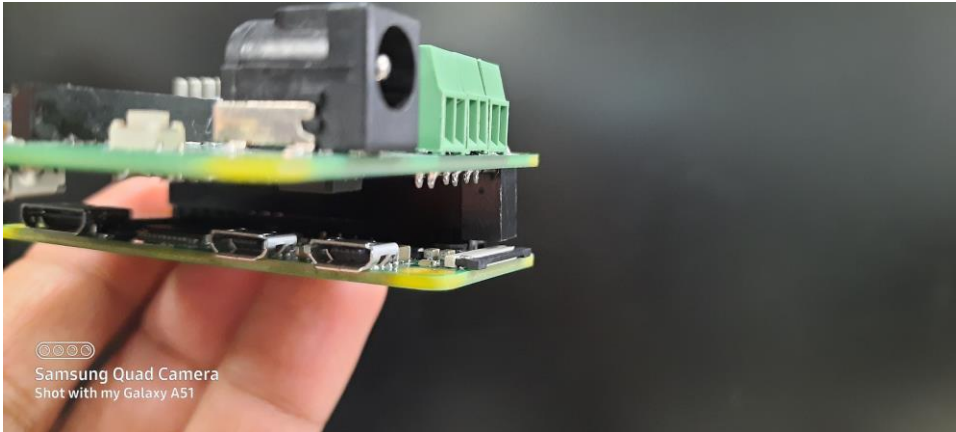# Test for compatibility of RPi-zero and RPi-3 with CM Launchpad

1.) Test with Raspberry Pi zero

CM launchpad board is not compatible with RPi zero, as launchpad board J5 connector cannot be mount on RPi zero.
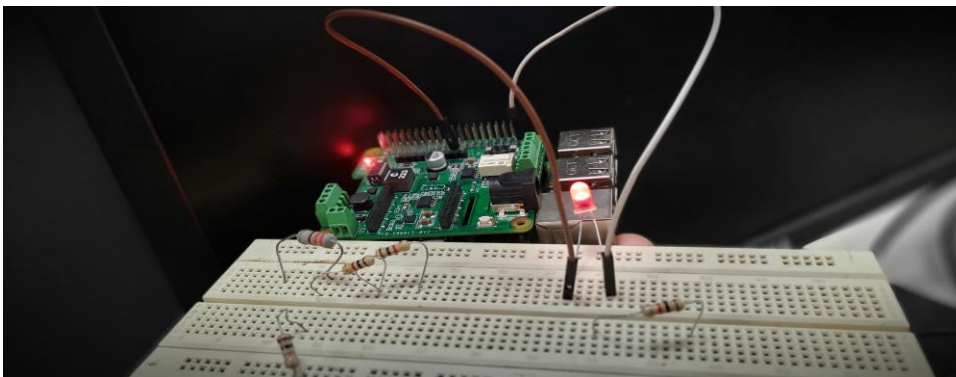

Fig a

2.) Test with Raspberry Pi 3 B+

 Following test were performed:-

(A.) J7 is intended to be used for LED status' ensure pins 8, 6, 4, 3, and 2 can all be lit simultaneously without issue.
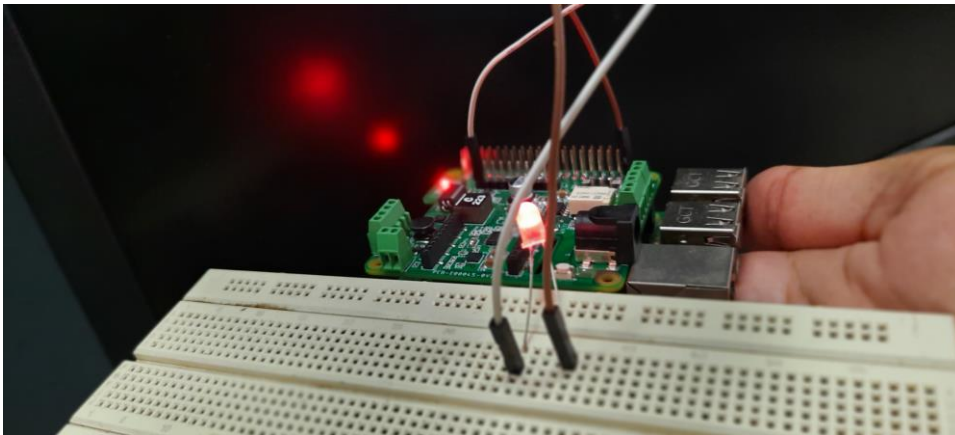

Fig b: - led toggling using pin 2 of J7 connector

(B.) U5 should have code written to Raspberry Pi foundation specifications for Pi HATs.

```
>>> %Run CM_U5.py
  Initialize I2C (SMBus)
  channel = 0 and slave address = 0x50
  writting the data into adress 0x00
  write successful
  reading data from adress 0x00
  [12, 17, 48, 56, 67, 78, 89, 54, 255, 255]
  read successful
```

(C.) MFP is reference to specific pin configuration, please confirm this Pin is functioning properly, and when triggered properly lights LED1.

Fig c