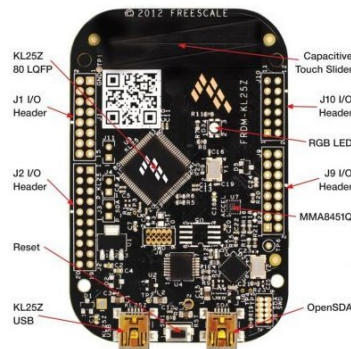


# Manual Test Routine

## Inertial Sensor LED – KL25Z

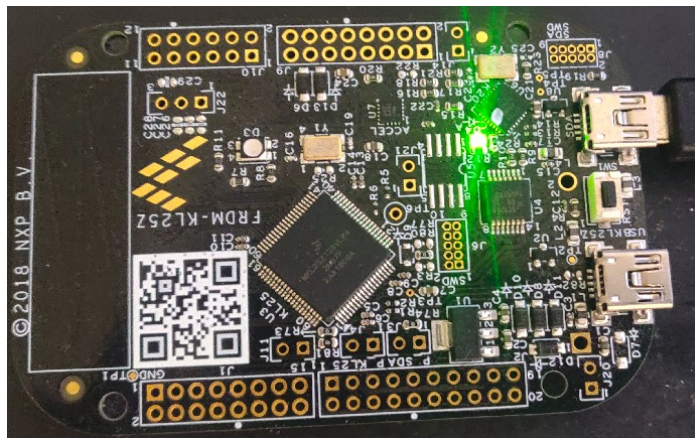
1) Device Orientation required for Manual Test Routine  
In Top View



<Test Case 1>

Assuming the Device is on a flat ground.

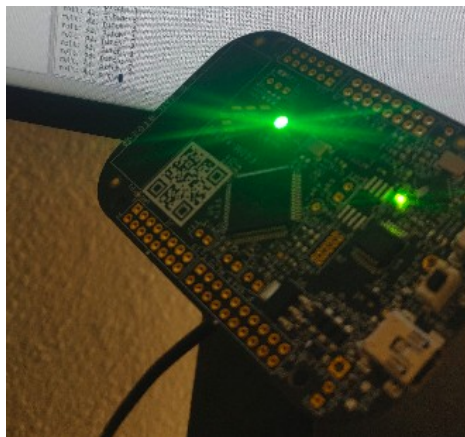
- Run main.c Code from McuExpresso.
- An extremely dim brightness green or blue LED should be detected.
- In an Ideally flat ground, LED would not glow (below is an ideal case).



### <Test Case 2>

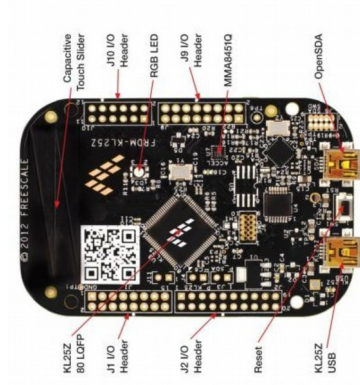
- From the Above Orientation, Rotate the device Counter-Clockwise.
  - Green LED Should be detected.
  - Brightness of the Green LED should increase in accordance with angle of rotation (counter-clockwise), this would be called Roll.

**!! *Expected Result* !!**



### <Test Case 3>

Orient the Device as Below:



- From the Above Orientation, Rotate the device Counter-Clockwise.
  - Blue LED Should be detected.
  - Brightness of the Blue LED should increase in accordance with angle of rotation (counter-clockwise), this would be called Pitch.

**!! Expected Result !!**

