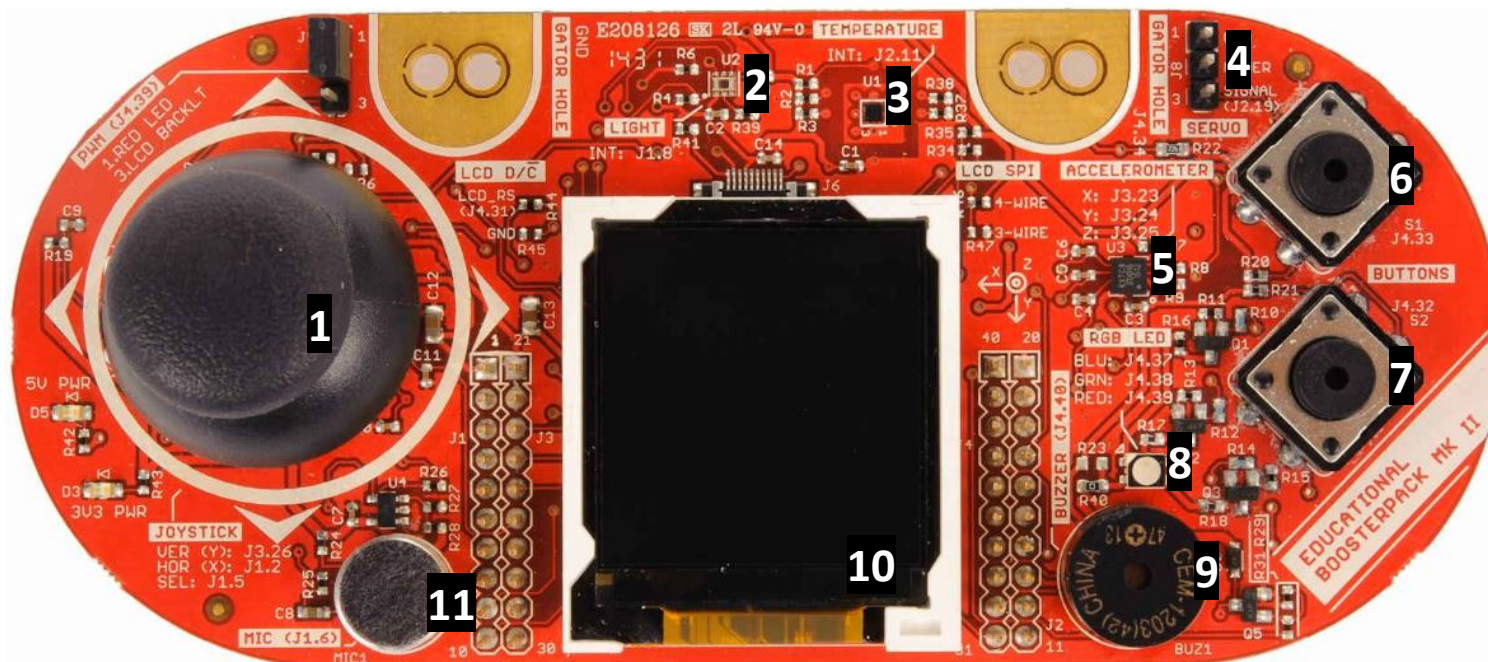## Introduction

The BOOSTXL-EDUMKII is an older BoosterPack created for the MSP430F microcontroller. My goal was to write code for the SDK as there is not one available for the MSPM0G3507 LaunchPad.

Issues Found

- Many of the functions provided for the 3507 and Protoboard did not integrate well with the BoosterPack.
- There were no helper functions for the daughter board to work seamlessly with the 3507.
- This meant I had to create the helper functions as well as re-map pins to avoid conflicts.

References

User's Guide MSPM0G3507 LaunchPad Development Kit
User's Guide BOOSTXL-EDUMKII Educational BoosterPack™ Plug-in Module Mark II
CSC-202 eBook/Notebook and Course Materials

Hardware Components

1. Joystick
2. Light Sensor
3. Temp Sensor
4. Servo Motor Connector
5. Accelerometer
6. Button 1
7. Button 2
8. RGBs
9. Buzzer
10. Color LCD
11. Microphone

Future Developments

- Write code for use of the light sensor, temp sensor, servo motor, and UART
- Create a test program that allows the user to test each component on the BoosterPack

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