
Project 5 Temperature Sensor

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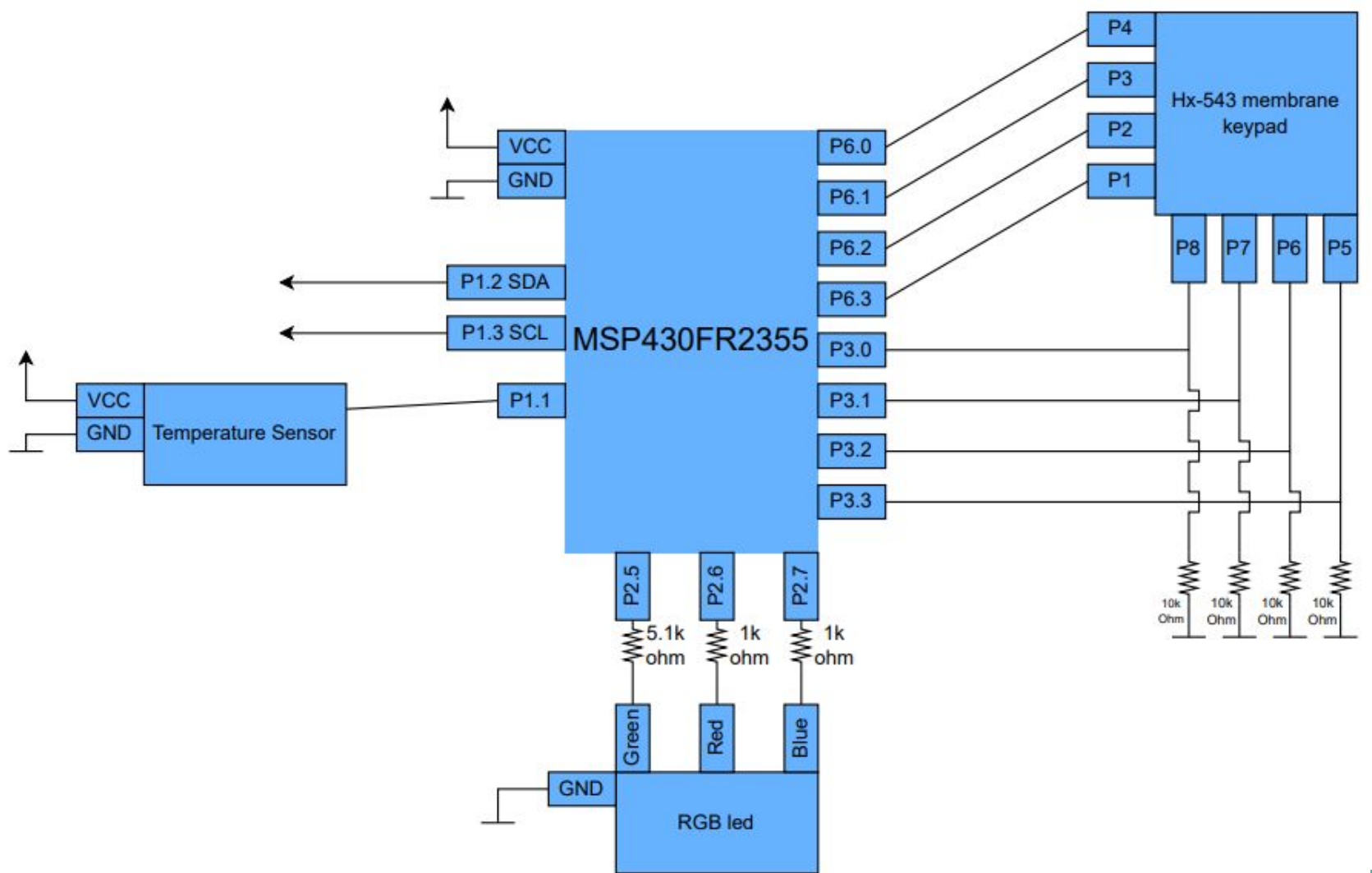
Goals

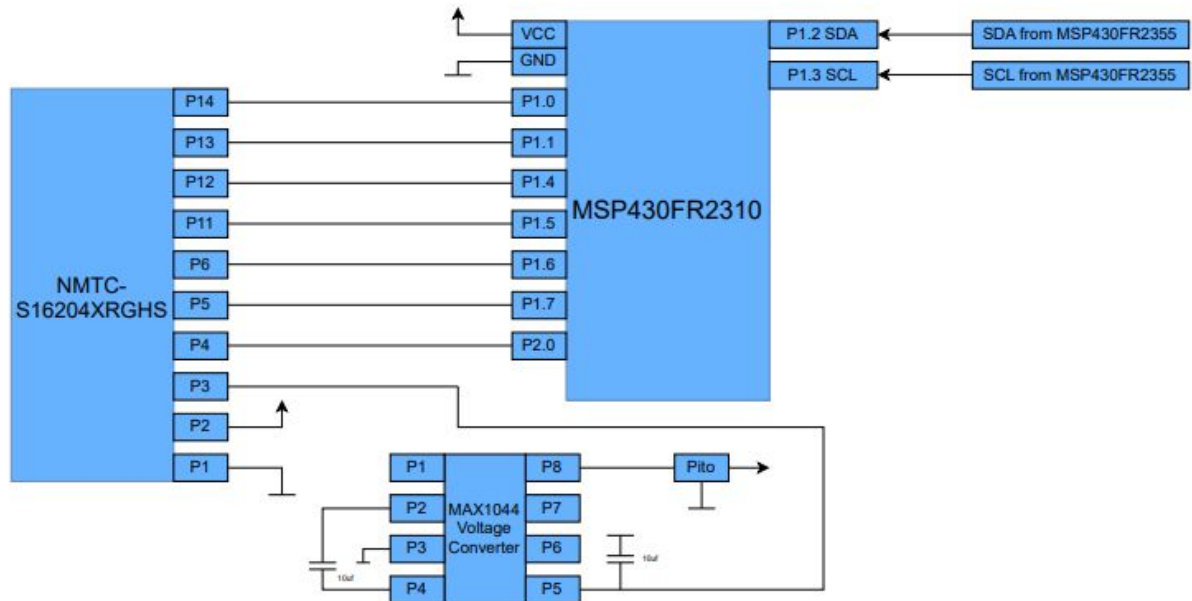
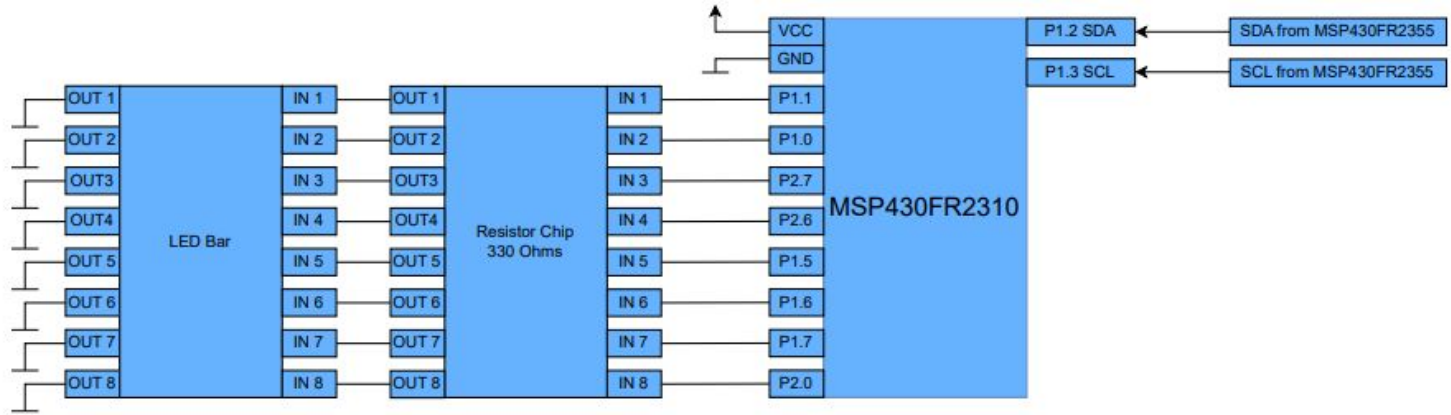
The goals of this project are similar to the last one.

Before selecting the pattern, a pattern selection mode must be entered, accessed by pressing A

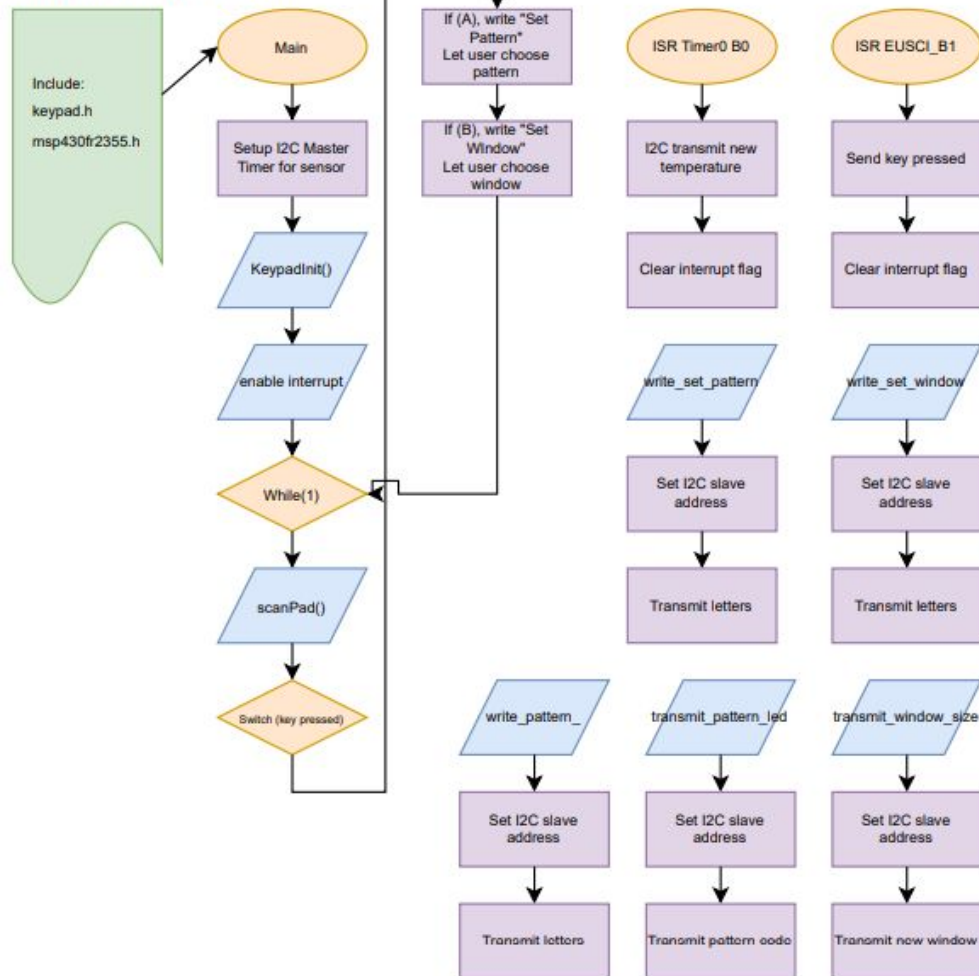
A temperature sensor is added, and displays current temperature every half second on LCD.

The window for rolling average can be changed with another mode, from pressing B.

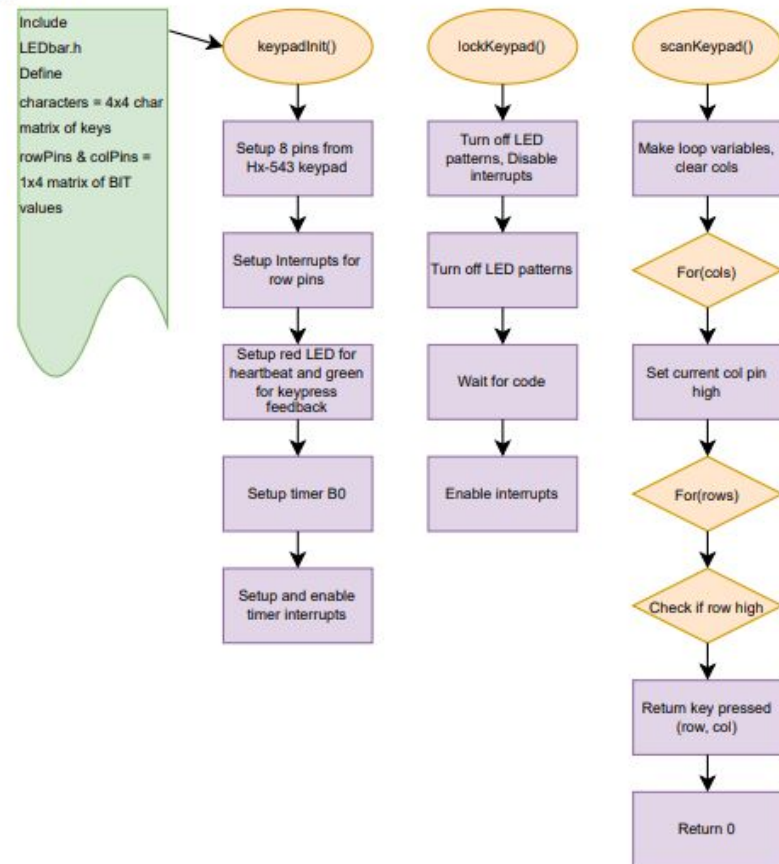




Main.c for MSP430FR2355



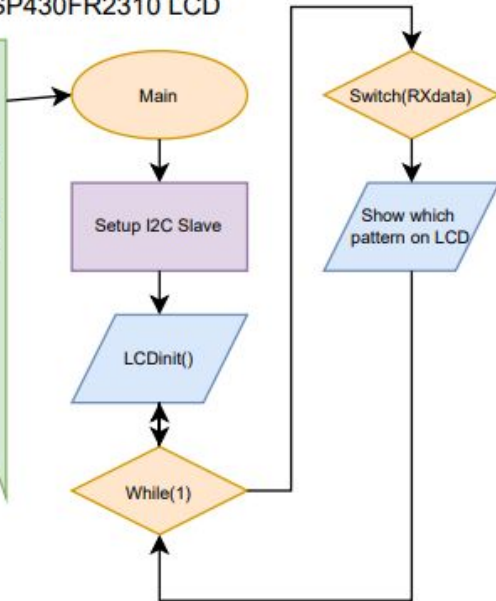
Keypad.h



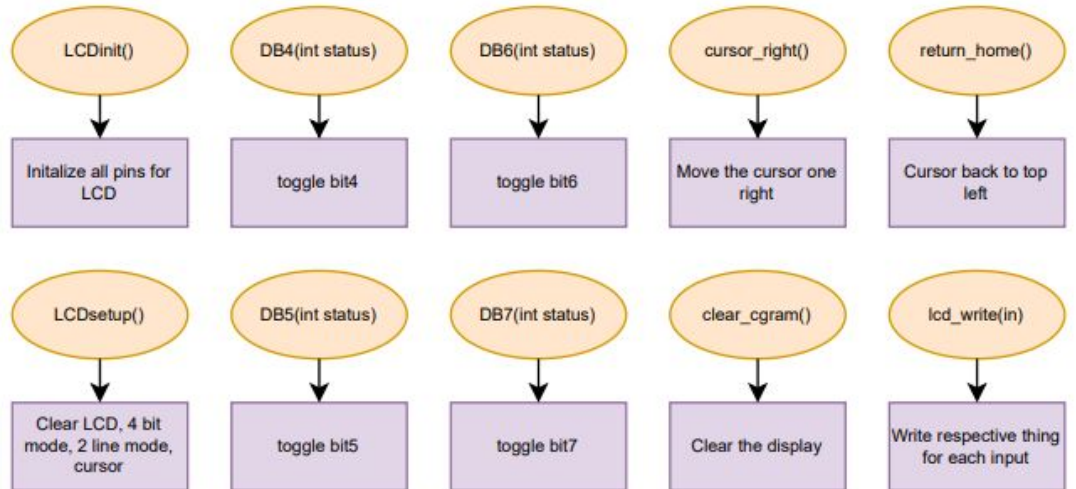
Main.c for MSP430FR2310 LCD

```

Include:
keypad.h
Define:
Slave Address = 0x48
Unsigned Char:
Recieved Data = 0x00
Transmit Data = 0x00
Char:
Pattern
Int:
Start1,2,3,5,6,7 = 0
Start4 = 255
    
```

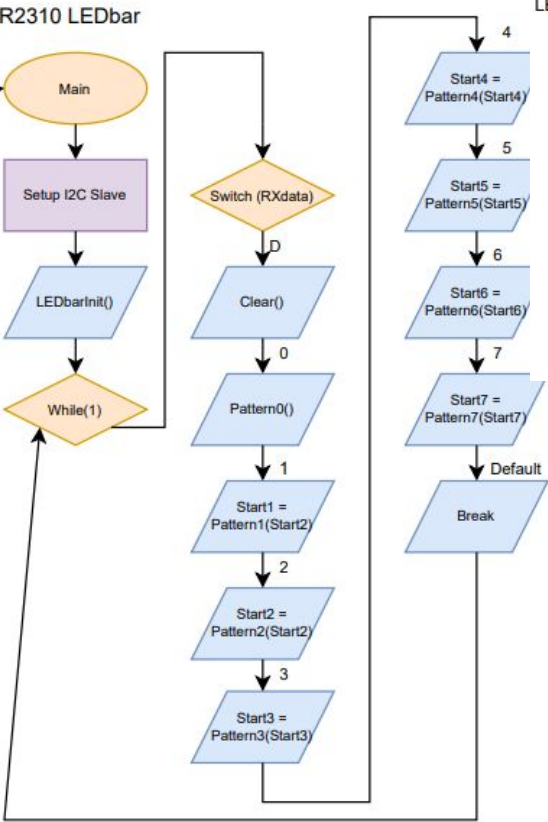


LCD.h



Main.c for MSP430FR2310 LEDbar

```
Include:
keypad.h
Define:
Slave Address = 0x48
Unsigned Char:
Recieved Data = 0x00
Transmit Data = 0x00
Char:
Pattern
Int:
Start1,2,3,5,6,7 = 0
Start4 = 255
```



LEDbar.h

