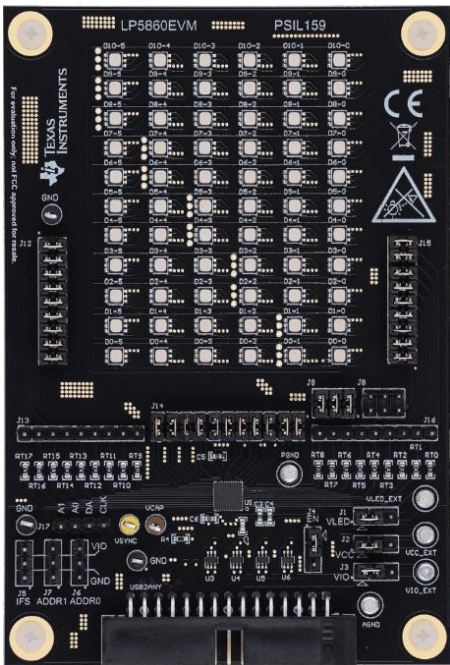


# Required Hardware

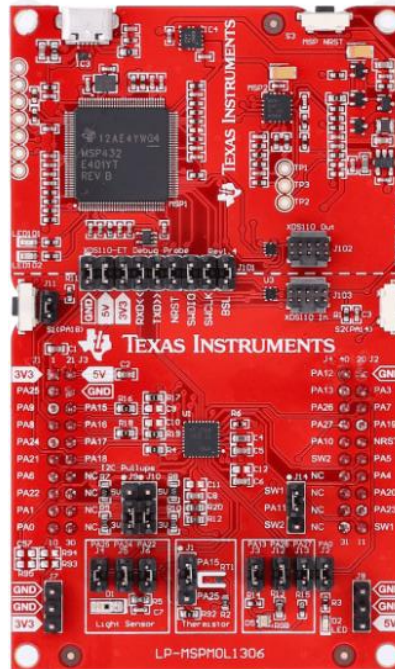
## LP5860EVM

[https://www.ti.com/tool/LP5860EVM?keyMatch=LP5860&tisearch=universal\\_search&usecase=partmatches](https://www.ti.com/tool/LP5860EVM?keyMatch=LP5860&tisearch=universal_search&usecase=partmatches)



## MSPM0L1306 LaunchPad

[https://www.ti.com/tool/LP-MSPM0L1306?keyMatch=MSPM0L1306&tisearch=universal\\_search](https://www.ti.com/tool/LP-MSPM0L1306?keyMatch=MSPM0L1306&tisearch=universal_search)



# CCS Codes



LP5860\_I2C\_EVM.zip



LP5860\_SPI\_EVM.zip

There are 3 patterns demonstrated in the code based on I2C and SPI protocol.

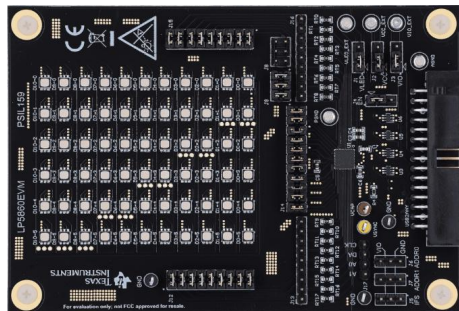
```
/*  
 * Use group method to do color breath  
 * all red led mapped to pwm_group1  
 * all green led mapped to pwm_group2  
 * all blue led mapped to pwm_group3  
 * final individual dot x output pwm = pwm_global * pwm_groupx * pwm_brix  
 */  
void breathRedGreenBlue()
```

```
/*  
 * play 10 times of rainbow sweep  
 * breathing enter and exit by using global pwm  
 * */  
void rainBowAndBreath()
```

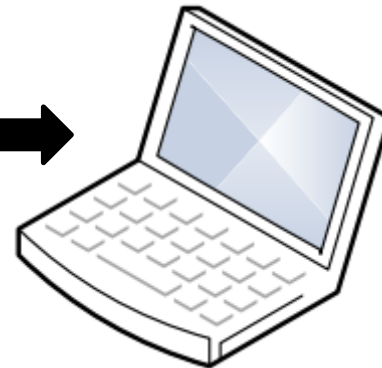
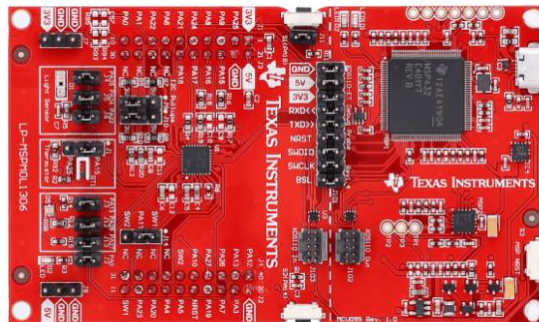
```
/**  
 * Display "TILP5860" and rolling playback  
 */  
void wordRollingPlayback()
```

# Hardware Setup

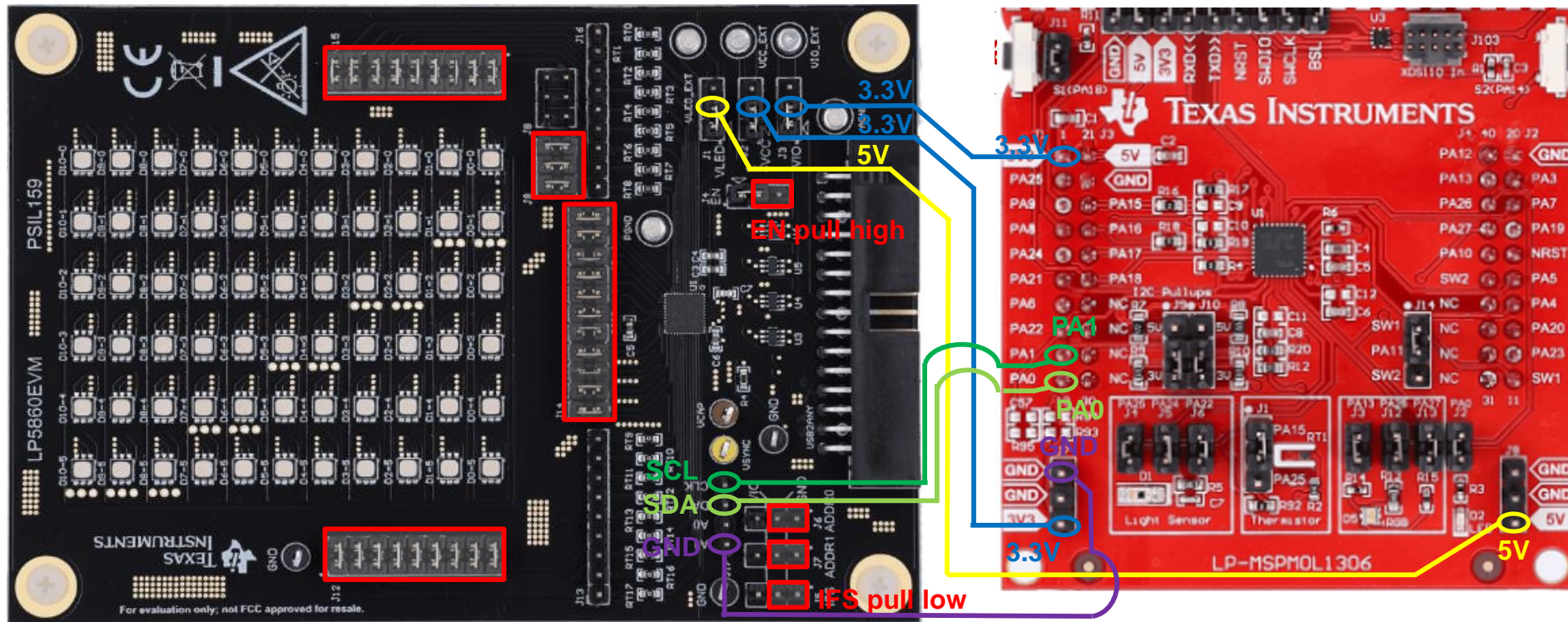
**LP5860/TEVM**



**MSPM0L1306 LaunchPad**



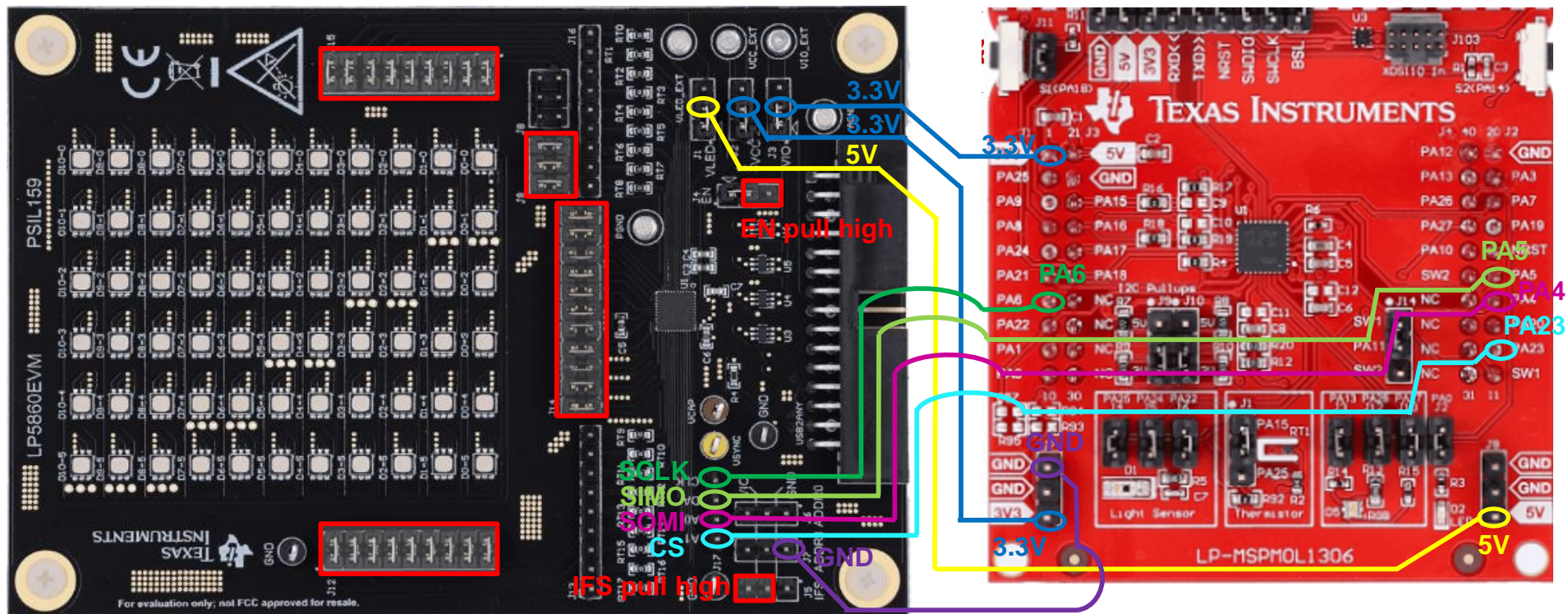
## Hardware Connection – I2C



**Only keep these jumpers  and remove all other jumpers on the board**



## Hardware Connection – SPI



**Only keep these jumpers  and remove all other jumpers on the board**