

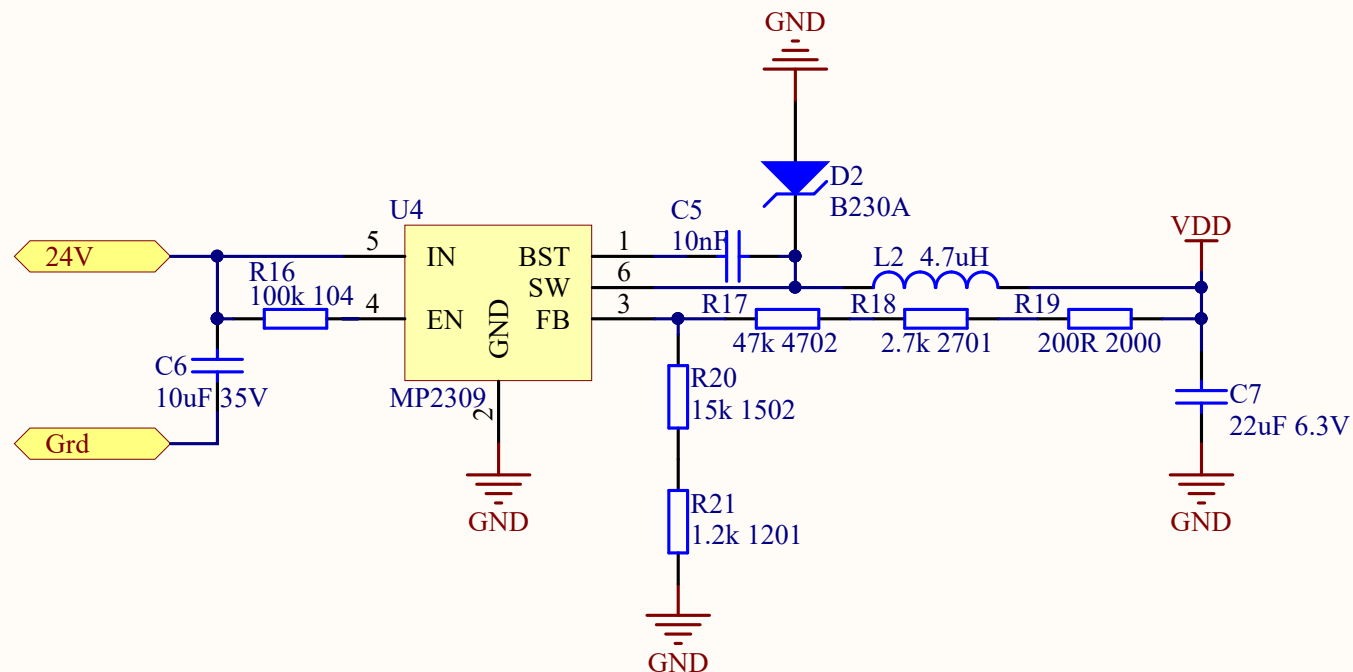
Maximum LED Current =  $0.1 / R_s$

750mA	==>	0.1333R
700mA	==>	0.1429R
650mA	==>	0.1538R

Output Current	L1 Value
$I_{out} > 1A$	27-47uH
$0.8A < I_{out} < 1A$	33-82uH
$0.4A < I_{out} < 0.8A$	47-100uH
$I_{out} < 0.4A$	68-220uH

The saturated current of inductor should more than 1.3-1.5 times of Output Current





## MP2359 DC-DC Module

## ESP8266 Based Wake-Up Lamp

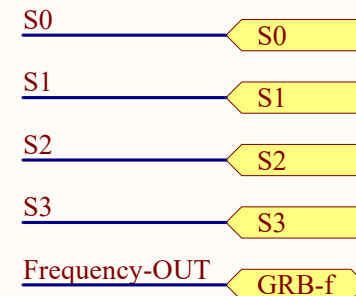
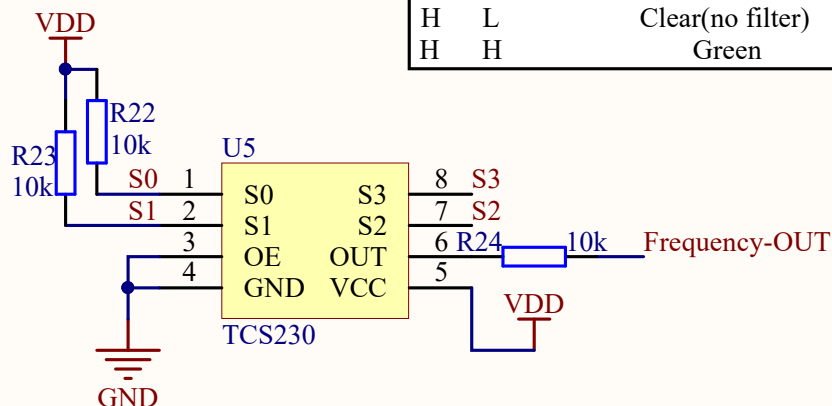
**Draw By:**  
Chris Cheung

**Date:**  
2016-3-25

S0	S1	Output Frequency Scaling
L	L	Power Down
L	H	2%
H	L	20%
H	H	100%

S2	S3	Output Frequency Scaling
L	L	Red
L	H	Blue
H	L	Clear(no filter)
H	H	Green

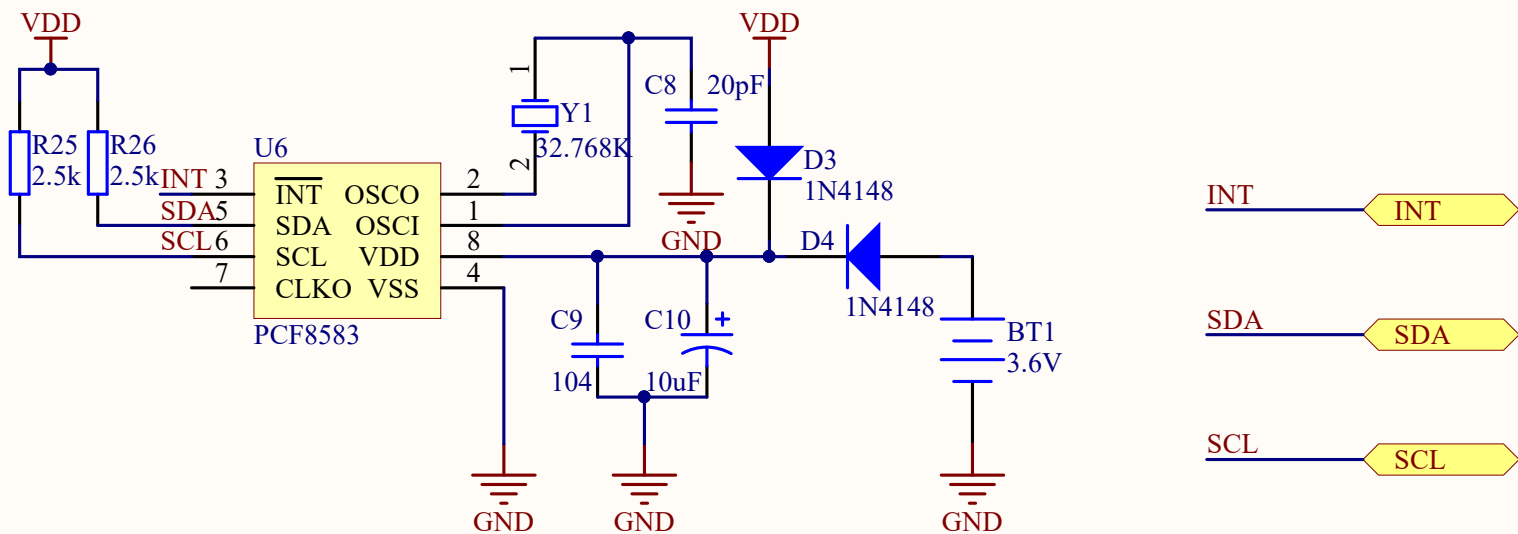


## TCS230 RGB Color Sensor

## ESP8266 Based Wake-Up Lamp

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Chris Cheung

Date:  
2016-3-25



## PCF8563 IIC RTC Module

## ESP8266 Based Wake-Up Lamp

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2016-3-25

Board S-