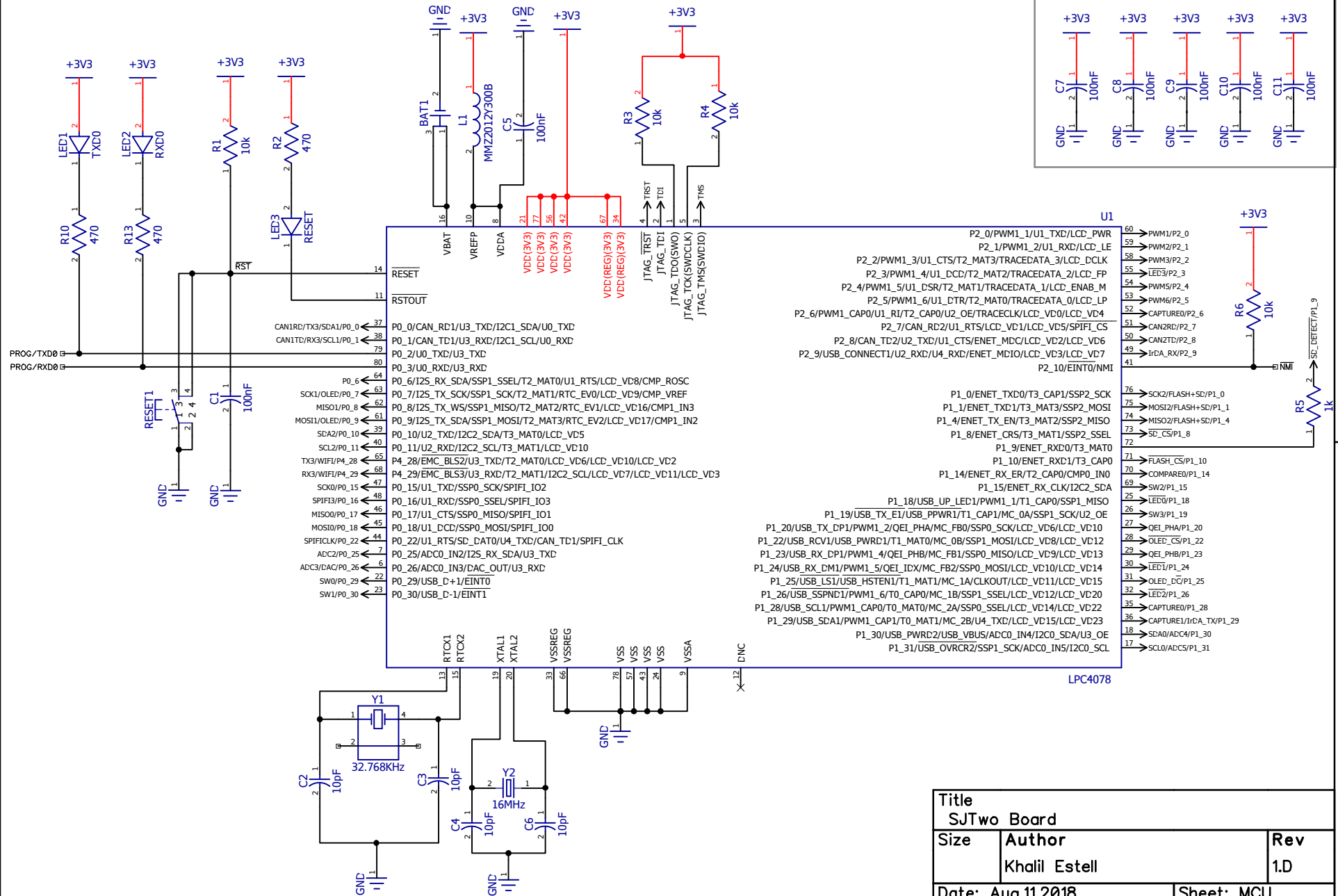


2

1

B

B



A

A

2

1

Title		
SJTTwo Board		
Size	Author	Rev
	Khalil Estell	1.D
Date: Aug.11.2018		Sheet: MCU

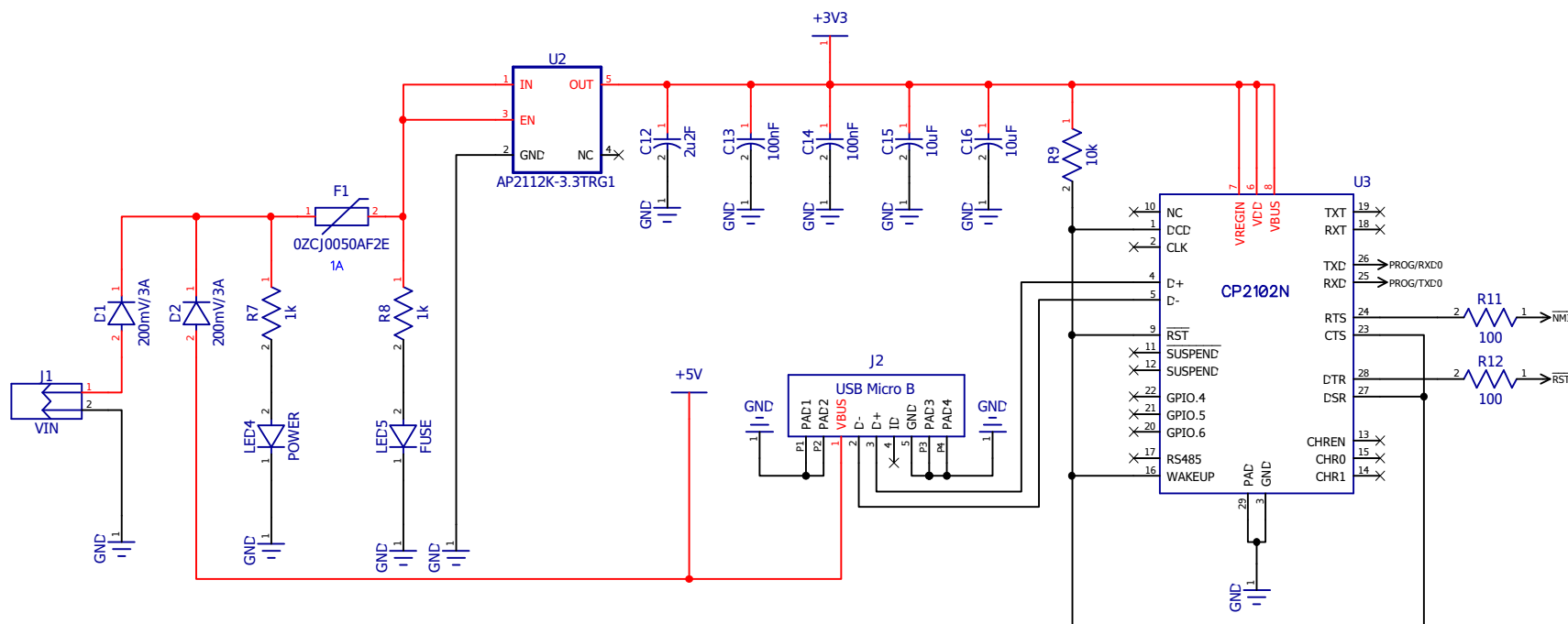
2

1

B

B

NOTE: Regulator Thermal Calculation  
 $((5.0V - 3.3V - .2V) \times .4A) \times 96C/W + 25C = 97C$   
 $((6.0V - 3.3V - .2V) \times .4A) \times 96C/W + 25C = 121C$



NOTE: 100R used as output protection

A

A

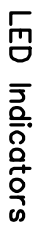
2

1

Title SJTwo Board		
Size	Author Khalil Estell	Rev 1.D
Date	Drawn by	
Filename	Sheet	



NOTE: BS[2:0]=L -> OLED MODE=SPI-4W



**NOTE:** Internal pull downs must be enabled for the buttons to work.



Title		
SJTwo Board		
Size	Author	Rev
	Khaili Estell	1.D
Date	Drawn by	
Filename	Sheet	

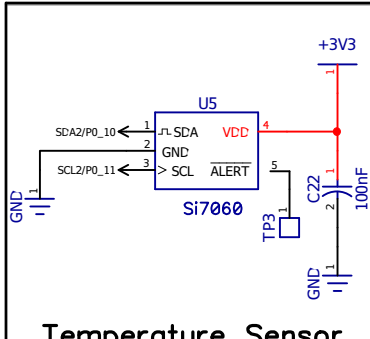
2

1

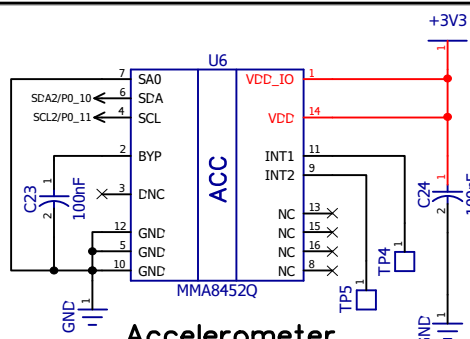
B

B

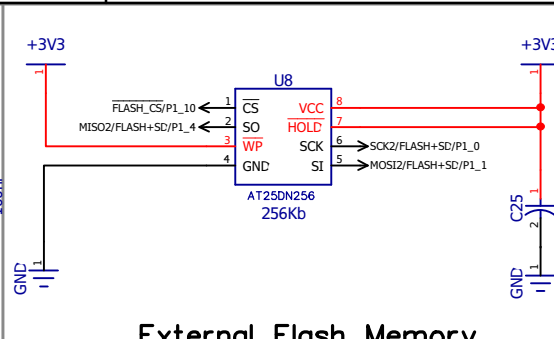
## Temperature Sensor



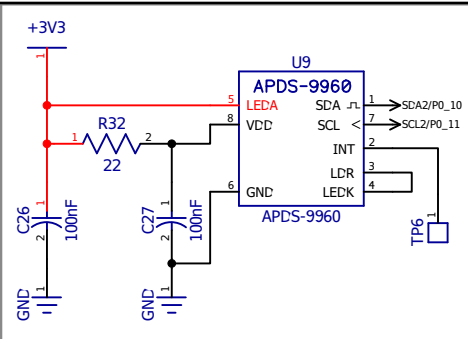
## Accelerometer



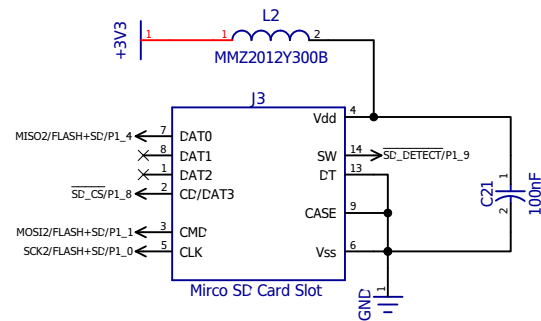
## External Flash Memory

RGB, Gesture, Proximity,  
Distance Sensor

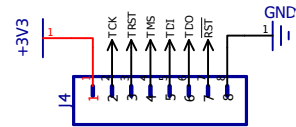
NOTE: The required 10uF cap  
is near regulator output  
and not shown on this  
sheet.



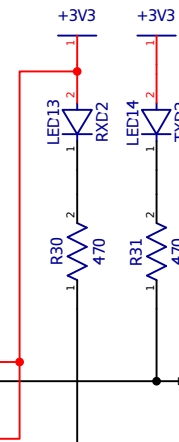
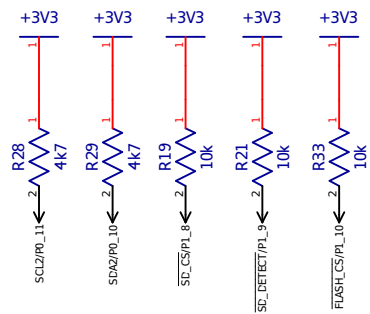
## Micro SD Card Slot



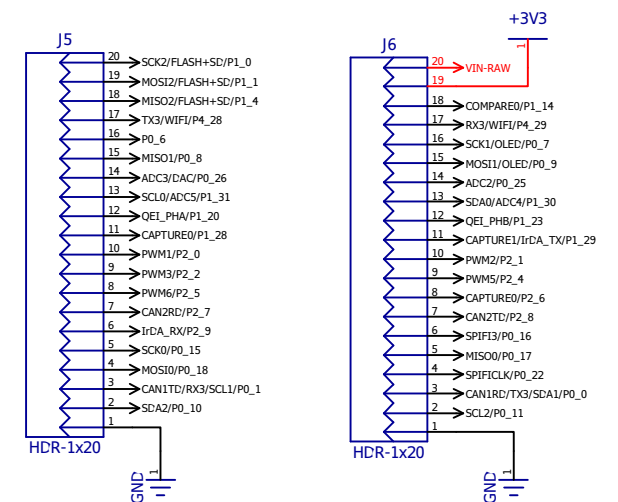
## JTAG Connector



## WiFi Module

Communication  
Resistor Field

## Expansion Port



A

A

Title SJTwo Board		
Size	Author Khalil Estell	Rev 1.D
Date	Drawn by	
Filename	Sheet	

2

1