
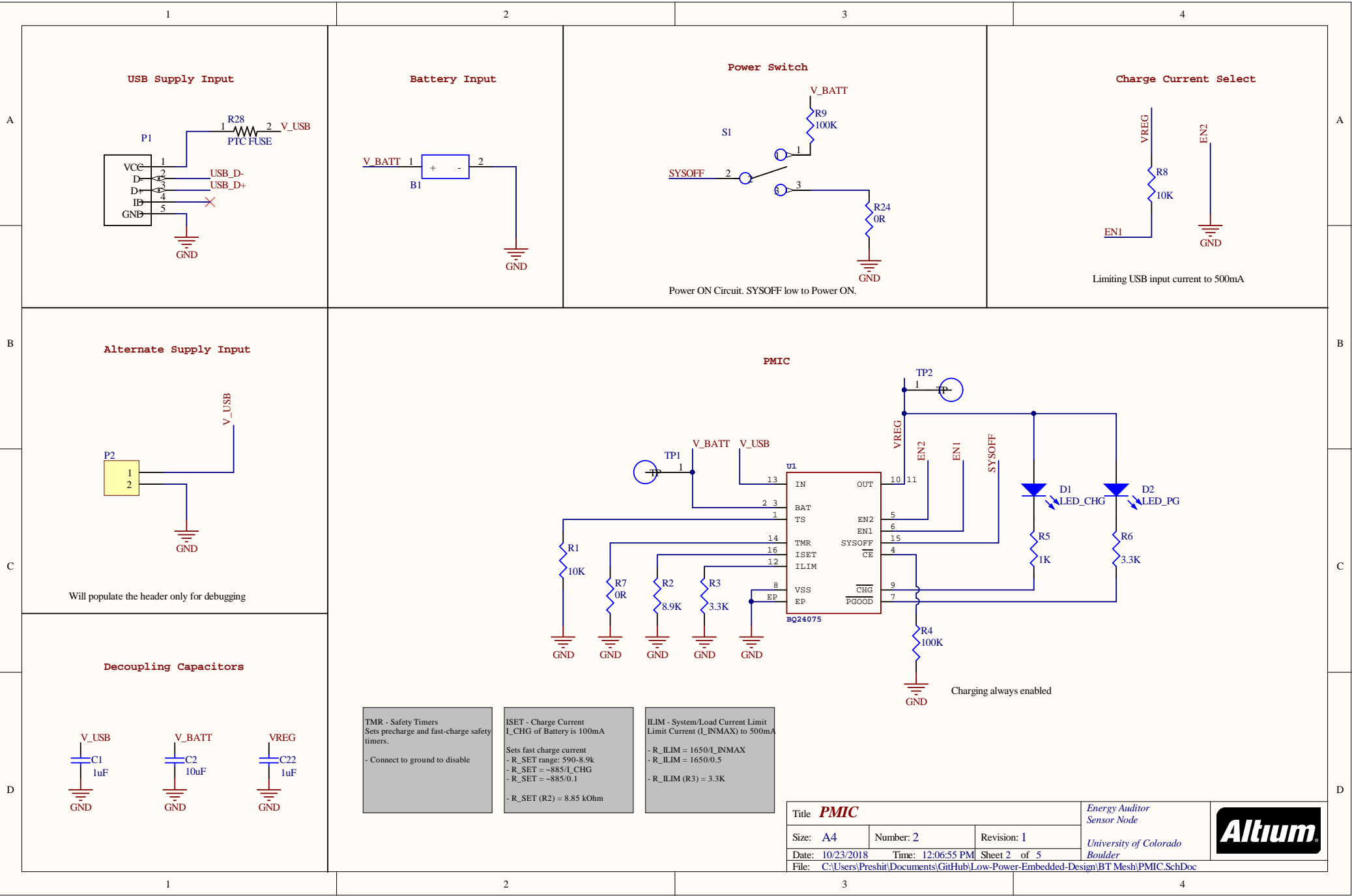
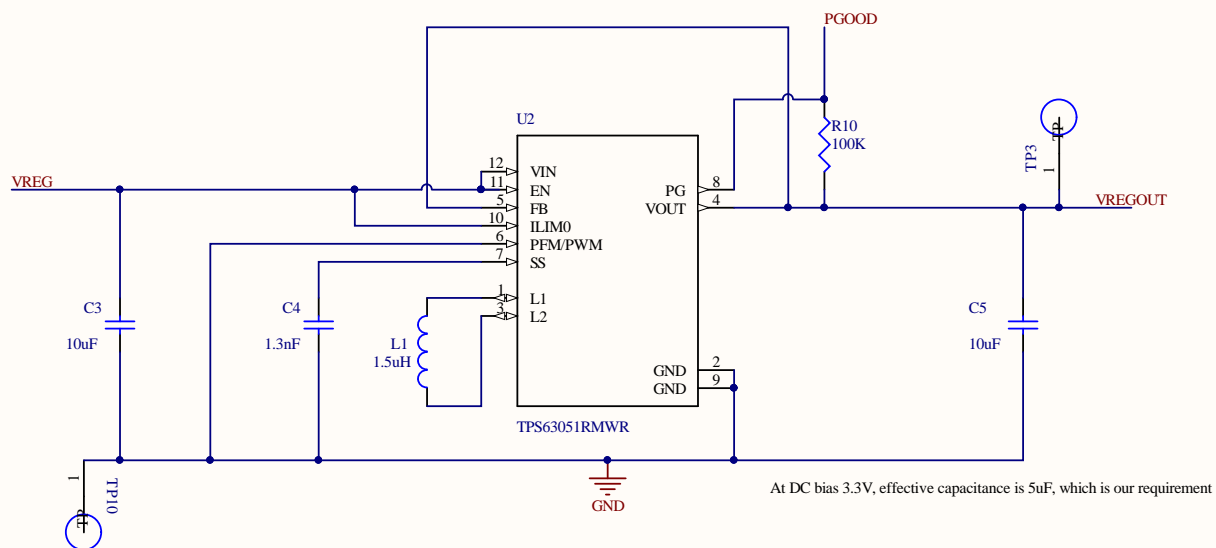


Title <i><b>Sensor and USB</b></i>			Energy Auditor Sensor Node	
Size: <b>A4</b>	Number: 1	Revision: 1	University of Colorado Boulder	
Date: 10/23/2018	Time: 12:06:55 PM	Sheet 1 of 5		
File: C:\Users\Preshit\Documents\GitHub\Low-Power-Embedded-Design\BT Mesh\USB.SchDoc				

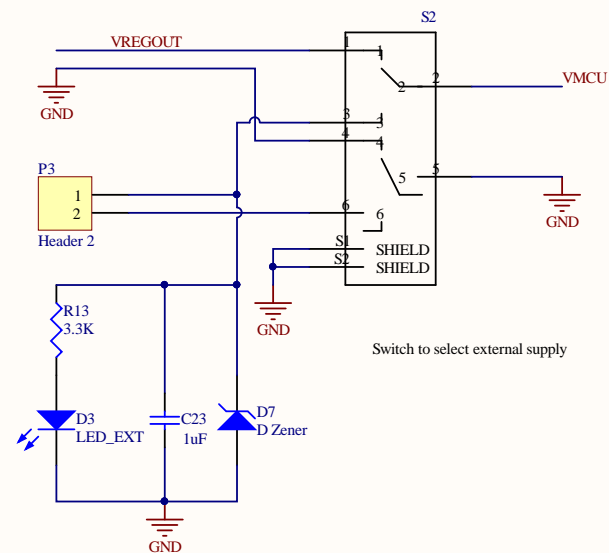





# Buck-Boost Converter

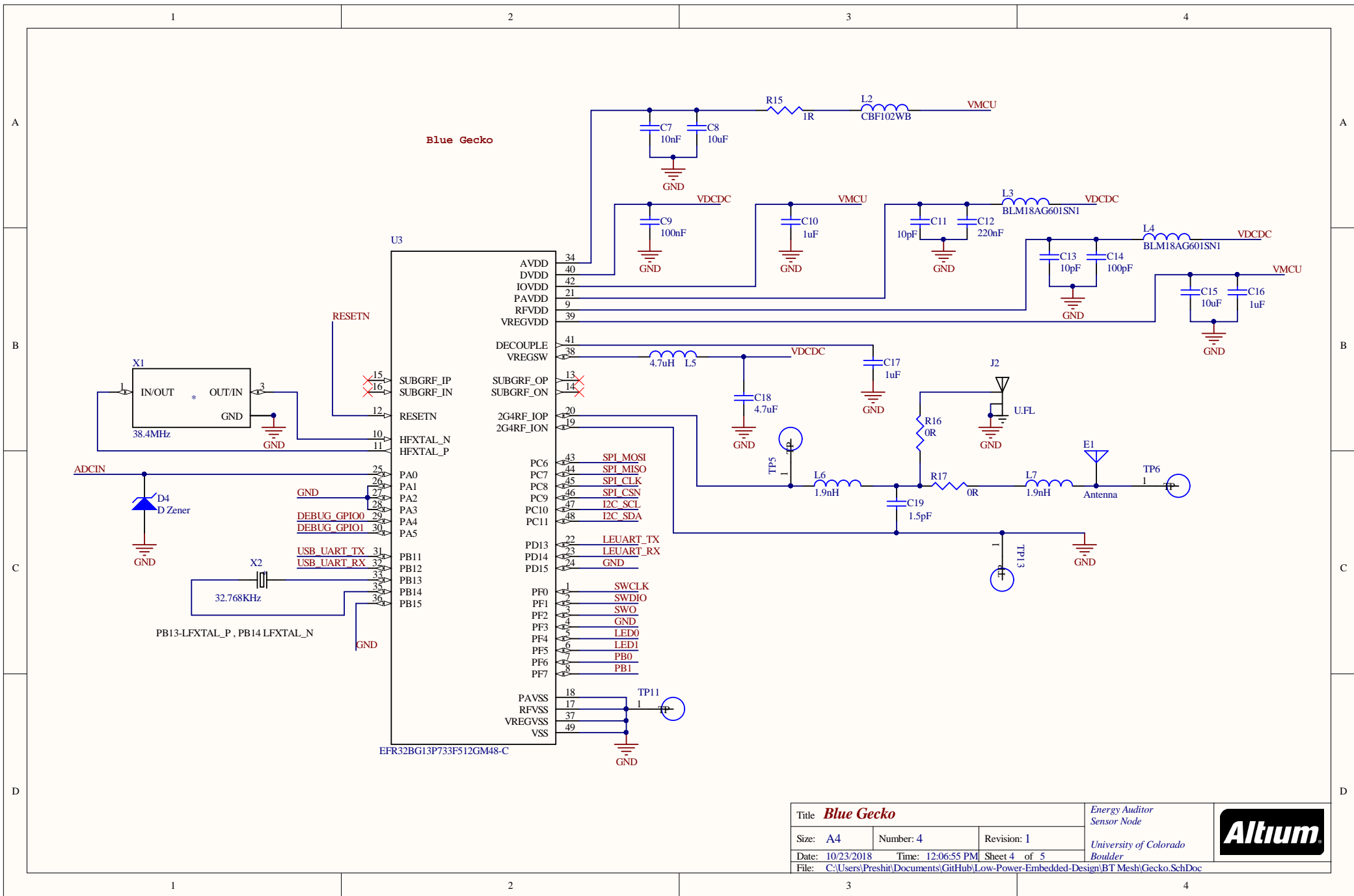



# External Input



Title <i><b>Regulator</b></i>			Energy Auditor Sensor Node	
Size: <i><b>A4</b></i>	Number: <i><b>3</b></i>	Revision: <i><b>1</b></i>	University of Colorado Boulder	
Date: <i><b>10/23/2018</b></i>	Time: <i><b>12:06:55 PM</b></i>	Sheet <i><b>3</b></i> of <i><b>5</b></i>		
File: <i><b>C:\Users\Preshit\Documents\GitHuB\Low-Power-Embedded-Design\BT Mesh\Regulator.SchDoc</b></i>				





Title <b>Blue Gecko</b>			Energy Auditor Sensor Node	
Size: <b>A4</b>	Number: <b>4</b>	Revision: <b>1</b>		
Date: <b>10/23/2018</b>	Time: <b>12:06:55 PM</b>	Sheet <b>4</b> of <b>5</b>	University of Colorado Boulder	
File: <b>C:\Users\Preshit\Documents\GitHub\Low-Power-Embedded-Design\BT Mesh\Gecko.SchDoc</b>				

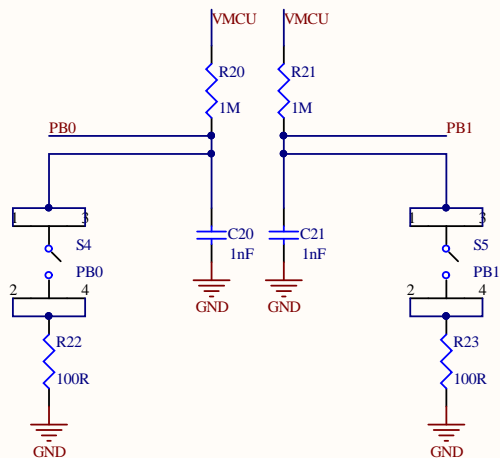
1

2

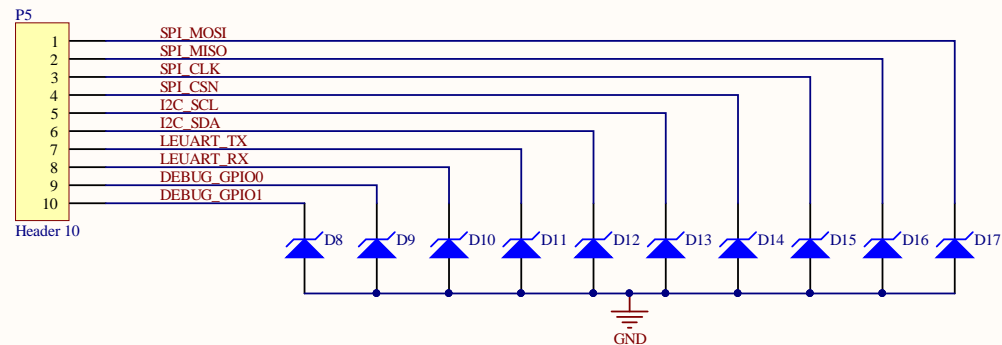
3

4

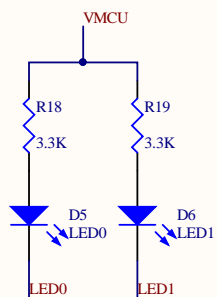
## Push Buttons



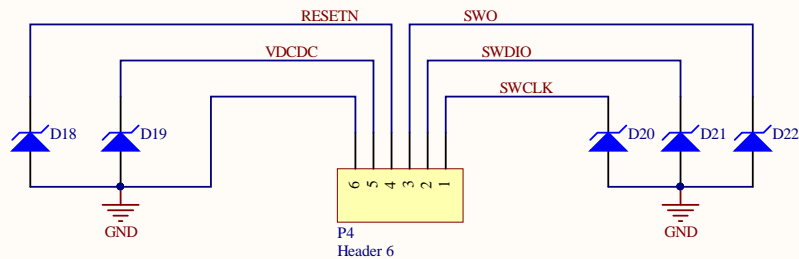
## GPIO



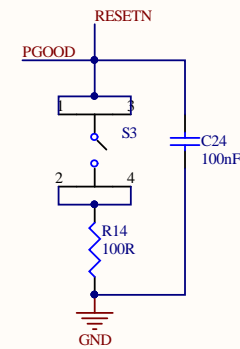
## Debug LEDs



## Debug Interface



## Reset Circuit



RESETN- Active LOW  
PGOOD HIGH - S4 OPEN -  
RESETN HIGH - MCU ON  
PGOOD LOW - S4 OPEN -  
RESETN LOW - MCU RESET  
PGOOD HIGH when regulator  
Vout greater 95% nominal output  
voltage i.e. 95% of 3.3V  
S4 CLOSED - PGOOD don't care -  
RESETN LOW - MCU RESET

Title <b>Gecko IO</b>			Energy Auditor Sensor Node
Size: <b>A4</b>	Number: <b>5</b>	Revision: <b>1</b>	University of Colorado Boulder
Date: <b>10/23/2018</b>	Time: <b>12:06:55 PM</b>	Sheet <b>5</b> of <b>5</b>	
File: <b>C:\Users\Preshit\Documents\GitHub\Low-Power-Embedded-Design\BT Mesh\Gecko IO.SchDoc</b>			



1

2

3

4