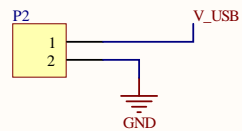
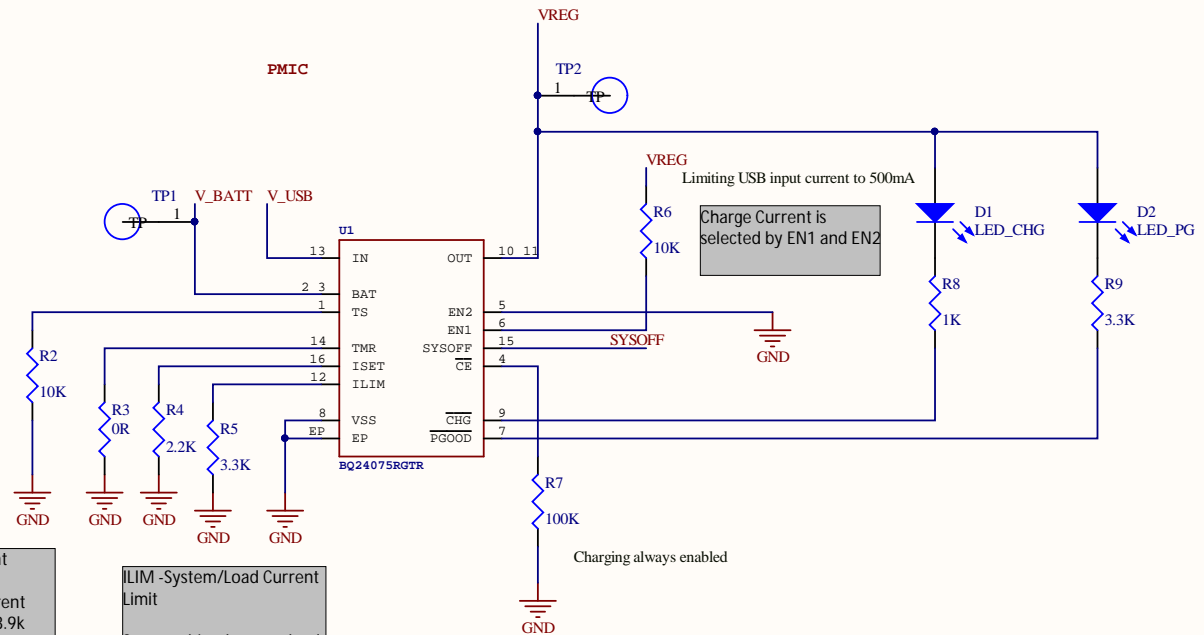
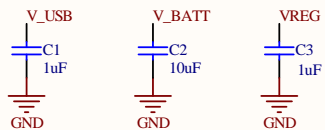


Power ON circuit. SYSOFF low to Power ON



For Debug purpose only




ISET - Charge Current

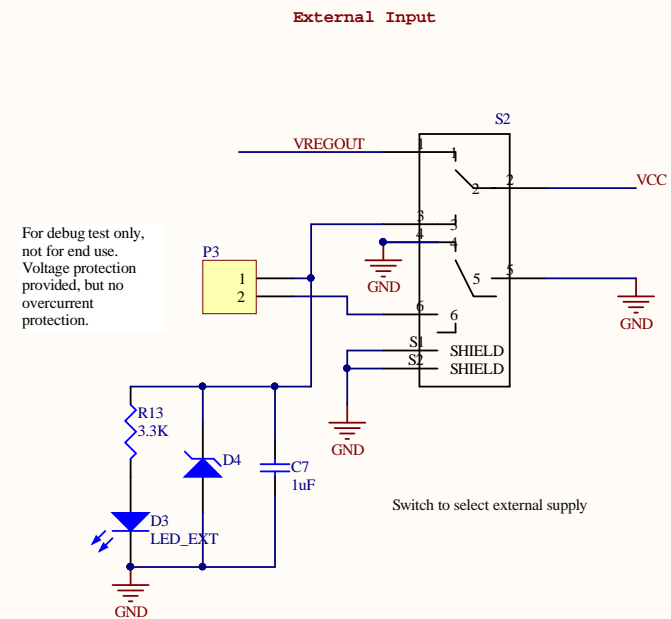
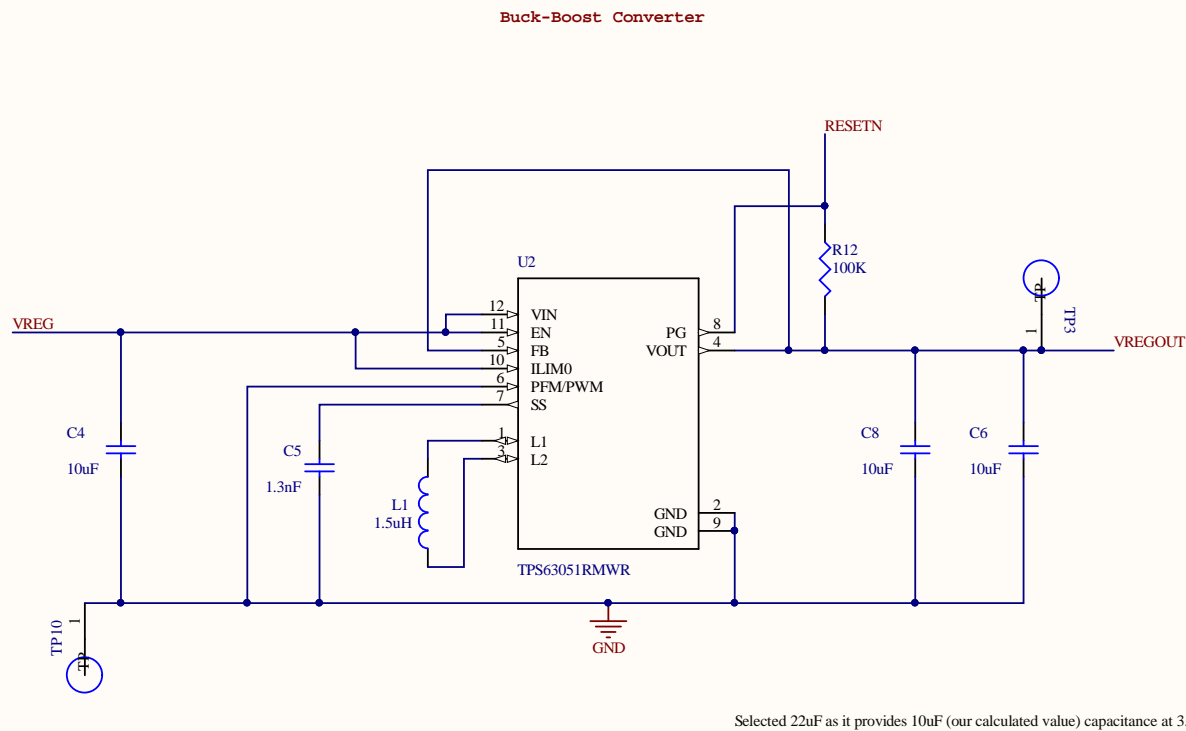
Safe fast charge current
-R_ISET range: 590-8.9k
-R_ISET = 885 / I_CHG
= 885/(400mA)
= 2.2 kOhm

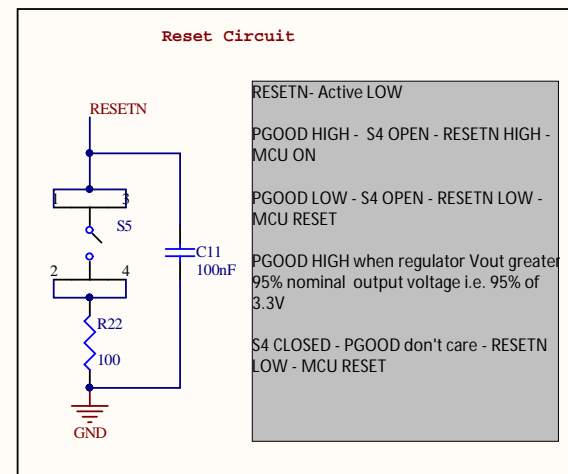
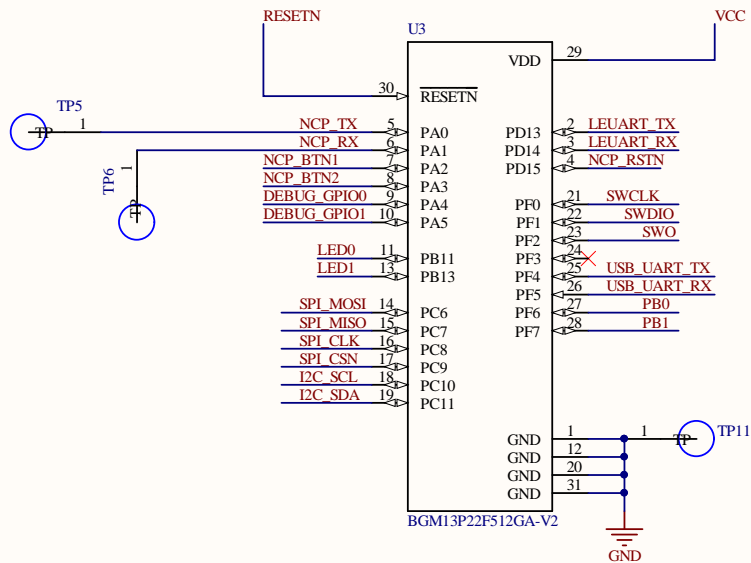
ILIM -System/Load Current Limit


Sets combined system load and battery charge currents pulled from USB input

- R_ILIM range: 1.1k-8k
- $R_{ILIM} = 1650 / I_{INMAX}$

Title PMIC			Gateway University of Colorado Boulder * *	
Size: A4	Number: 2	Revision: 1		
Date: 10/27/2018	Time: 2:58:51 PM	Sheet 2 of 6		
File: D:\UCBoulder\Acads\Sem_3\ECEN5023-001 Low Power\Project\Low Power Embedded Design\Gateway\PMIC.SchDoc				





Title <i>Gecko</i>			Gateway University of Colorado Boulder	
Size: <i>A4</i>	Number: 4	Revision: 1		
Date: <i>10/27/2018</i>	Time: <i>2:58:51 PM</i>	Sheet 4 of 6		
File: D:\UCBoulder\Acads\Sem_3\ECEN5023-001 Low Power\Project\Low_Power_Embedded_Design\Gateway\Gecko.SchDoc				

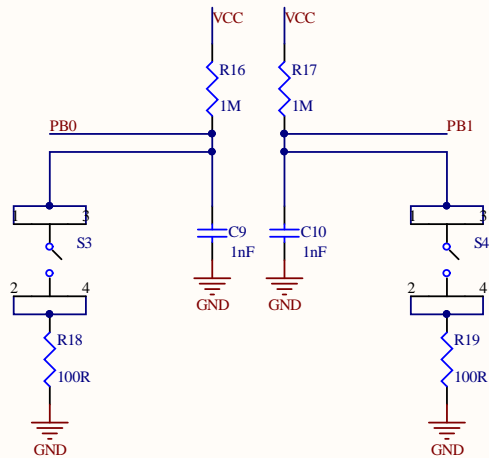
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2

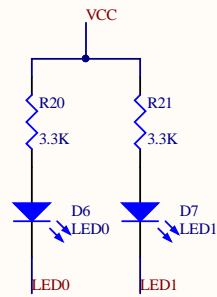
3

4

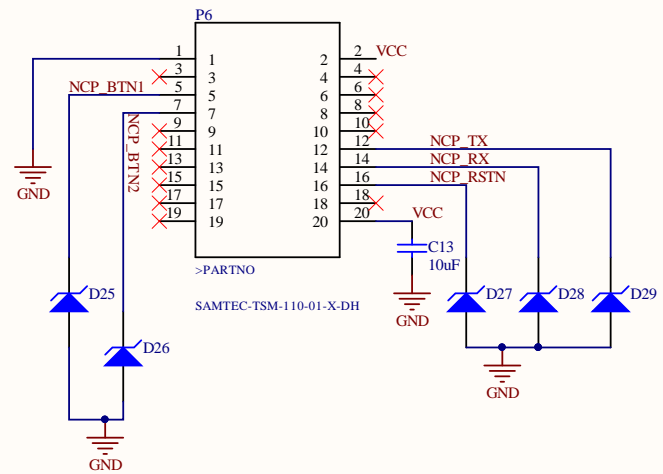
Push Buttons



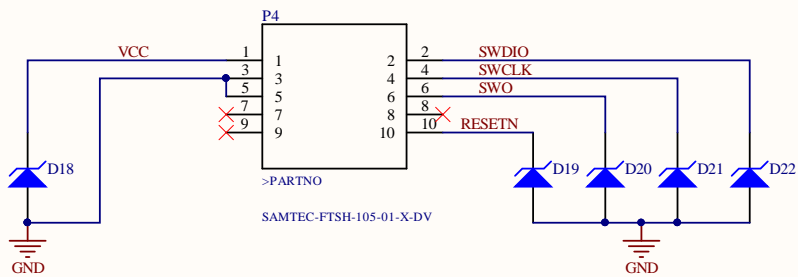
Debug LEDs



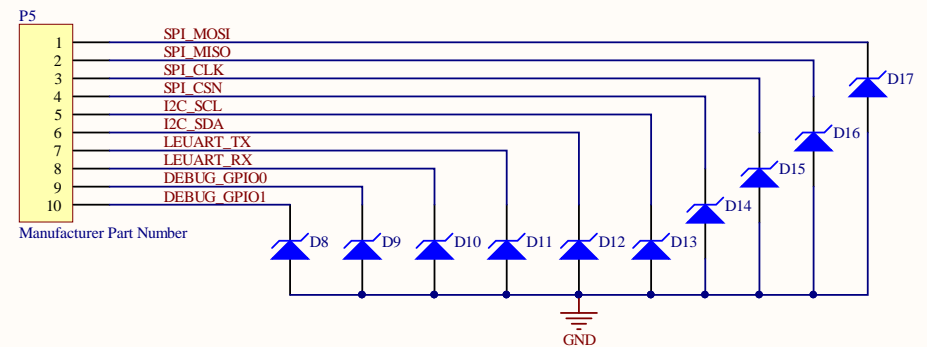
Expansion Header




Debug Interface



GPIO



Title <i>Gecko_IO</i>			Gateway University of Colorado Boulder * *	
Size: A4	Number: 5	Revision: 1		
Date: 10/27/2018	Time: 2:58:51 PM	Sheet 5 of 6		
File: D:\UCBoulder\Acads\Sem_3\ECEN5023-001 Low Power\Project\Low_Power_Embedded_Design\Gateway\Gecko_IO.SchDoc				

1

2

3

4

