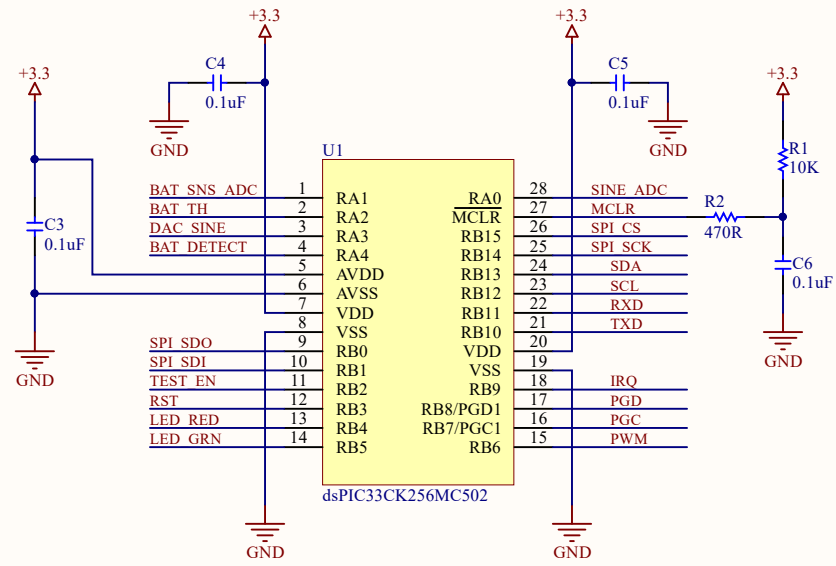
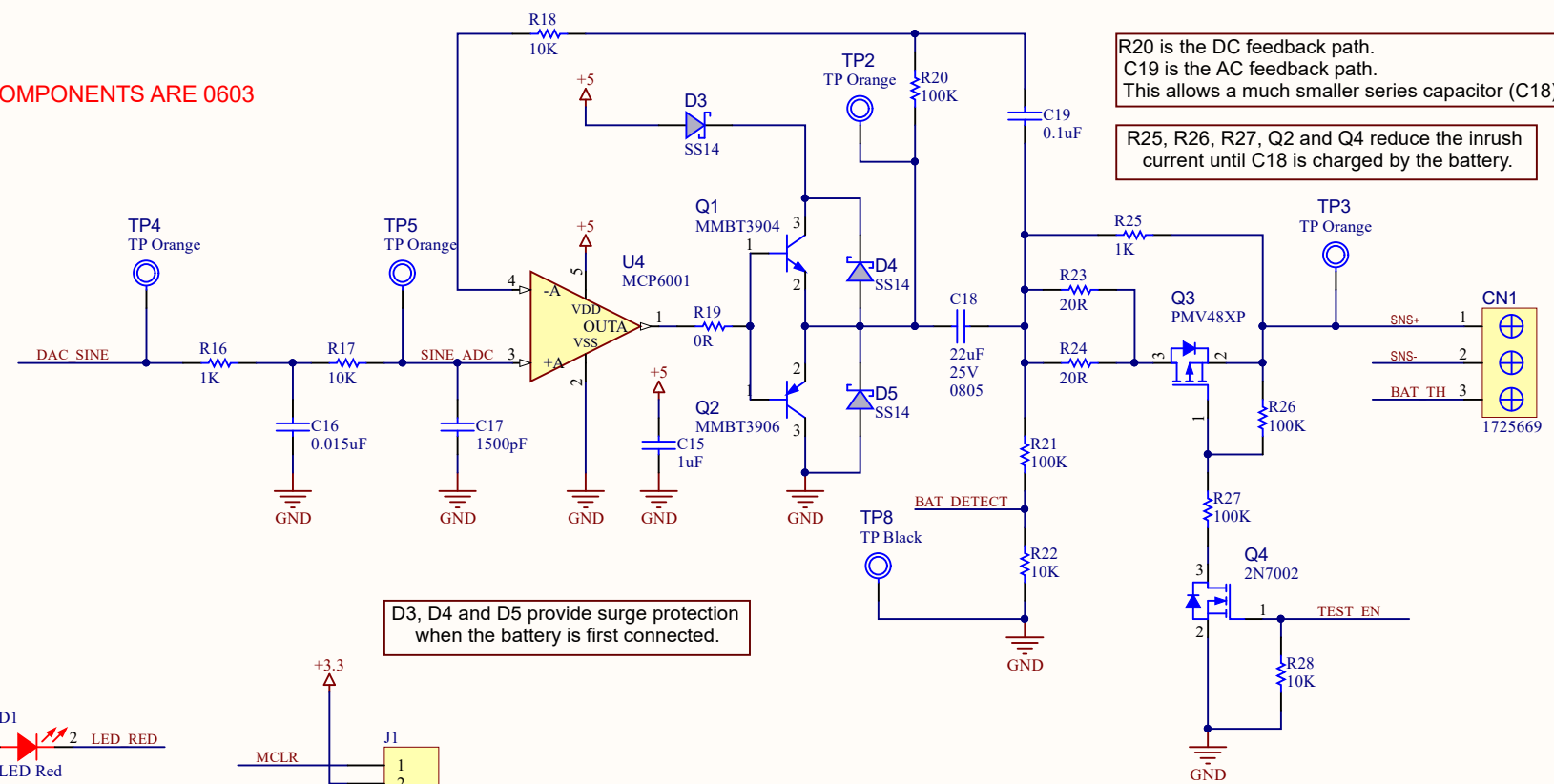


Differential amplifier permits a 4-wire measurement (Kelvin connection).



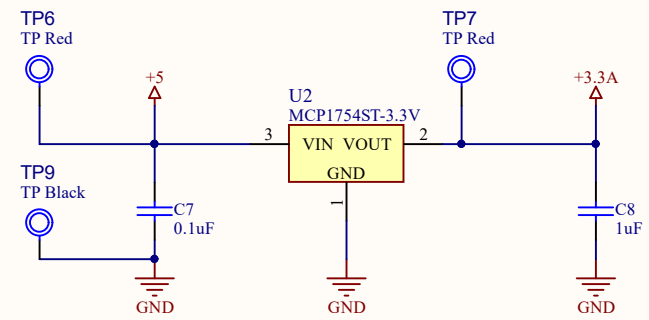
COMPONENTS ARE 0603



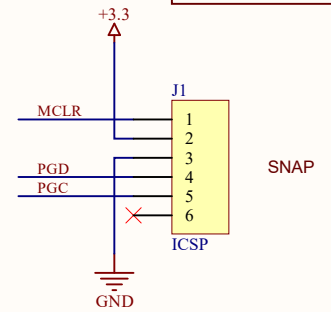
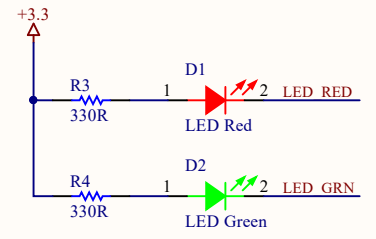
R20 is the DC feedback path. C19 is the AC feedback path. This allows a much smaller series capacitor (C18).

R25, R26, R27, Q2 and Q4 reduce the inrush current until C18 is charged by the battery.

D3, D4 and D5 provide surge protection when the battery is first connected.



LDO provides low noise power source for the analog section.



Drawn By: Keith Donadio		
Engineer: Greg Mann, Kelvin LeBeaux		
PartNumber:	Project Title AI/ML Battery Sensor	
Sheet Title **	Designed with 	
Size B	Sch #03-ProjectBoardName Revision: Project Revision Sheet 2 of 2	
File: dsPIC Click Analog v1.4.SchDoc		

