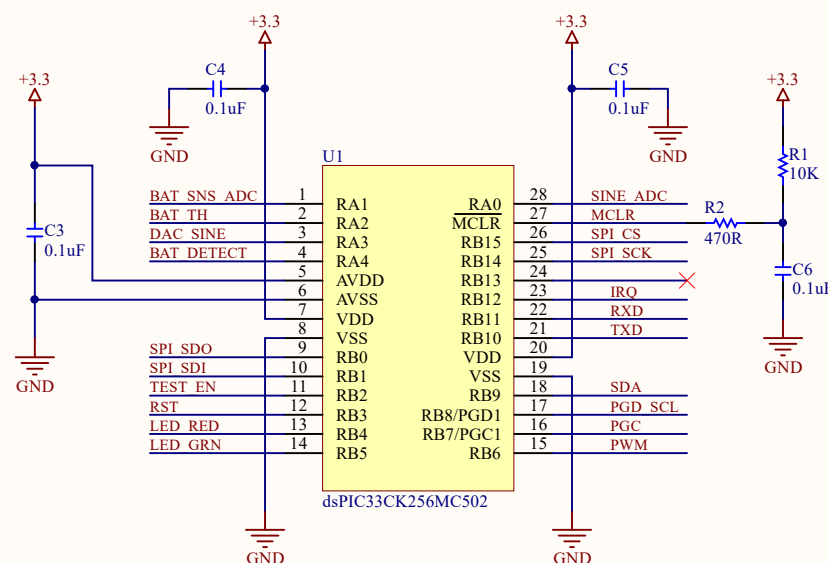
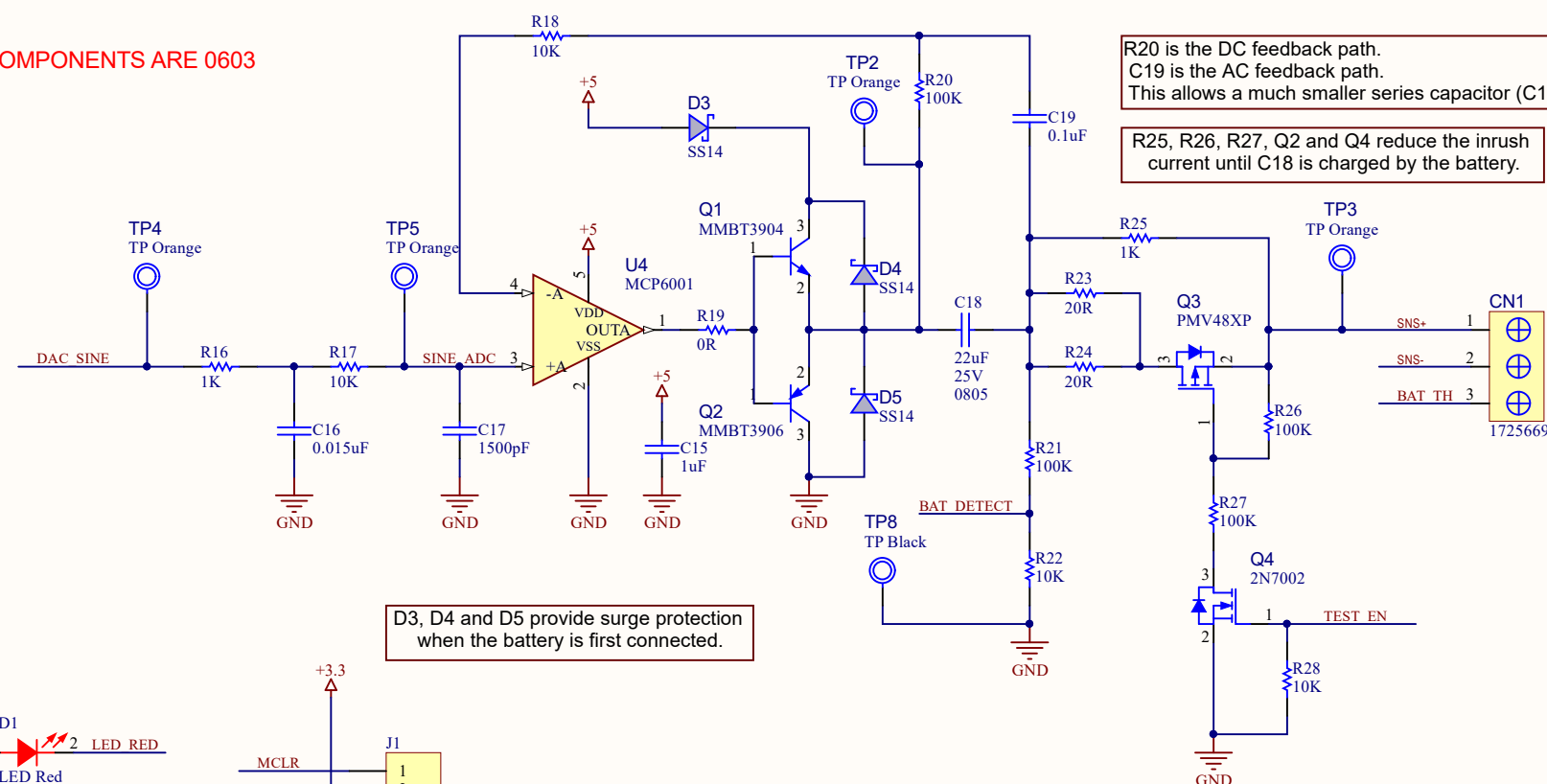


Differential amplifier permits a 4-wire measurement (Kelvin connection).

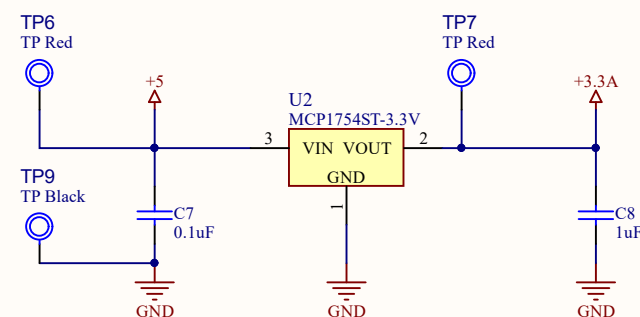


COMPONENTS ARE 0603

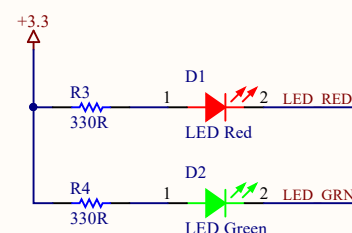


R20 is the DC feedback path.
C19 is the AC feedback path.
This allows a much smaller series capacitor (C18)

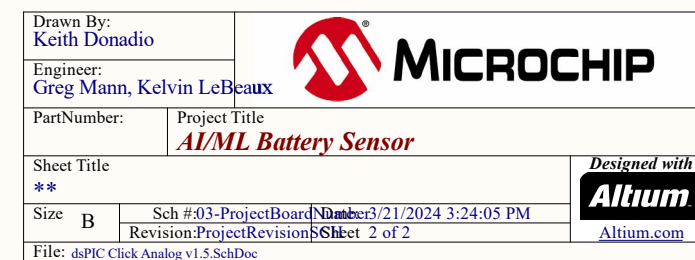
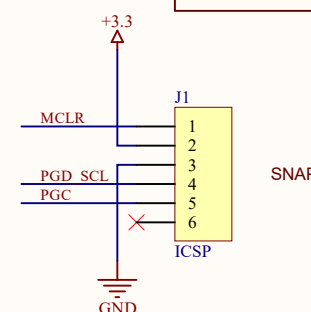
R25, R26, R27, Q2 and Q4 reduce the inrush current until C18 is charged by the battery.



LDO provides low noise power source for the analog section.



LED Green



Engineer: Greg Mann, Kelvin LeBeau	
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PartNumber:

	Project Title
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AI/ML Battery Sensor

Sheet Title

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Size

Sch #:03-ProjectBoard Date:3/21/2024 3:24:05 PM

Revision: ProjectRevisionSheet 2 of 2

File: dsPIC Click Analog v1.5.SchDoc

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