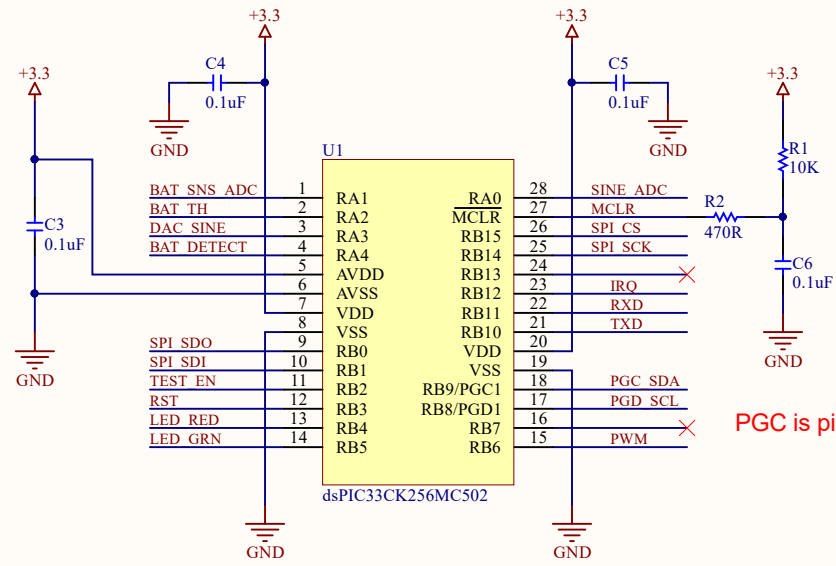
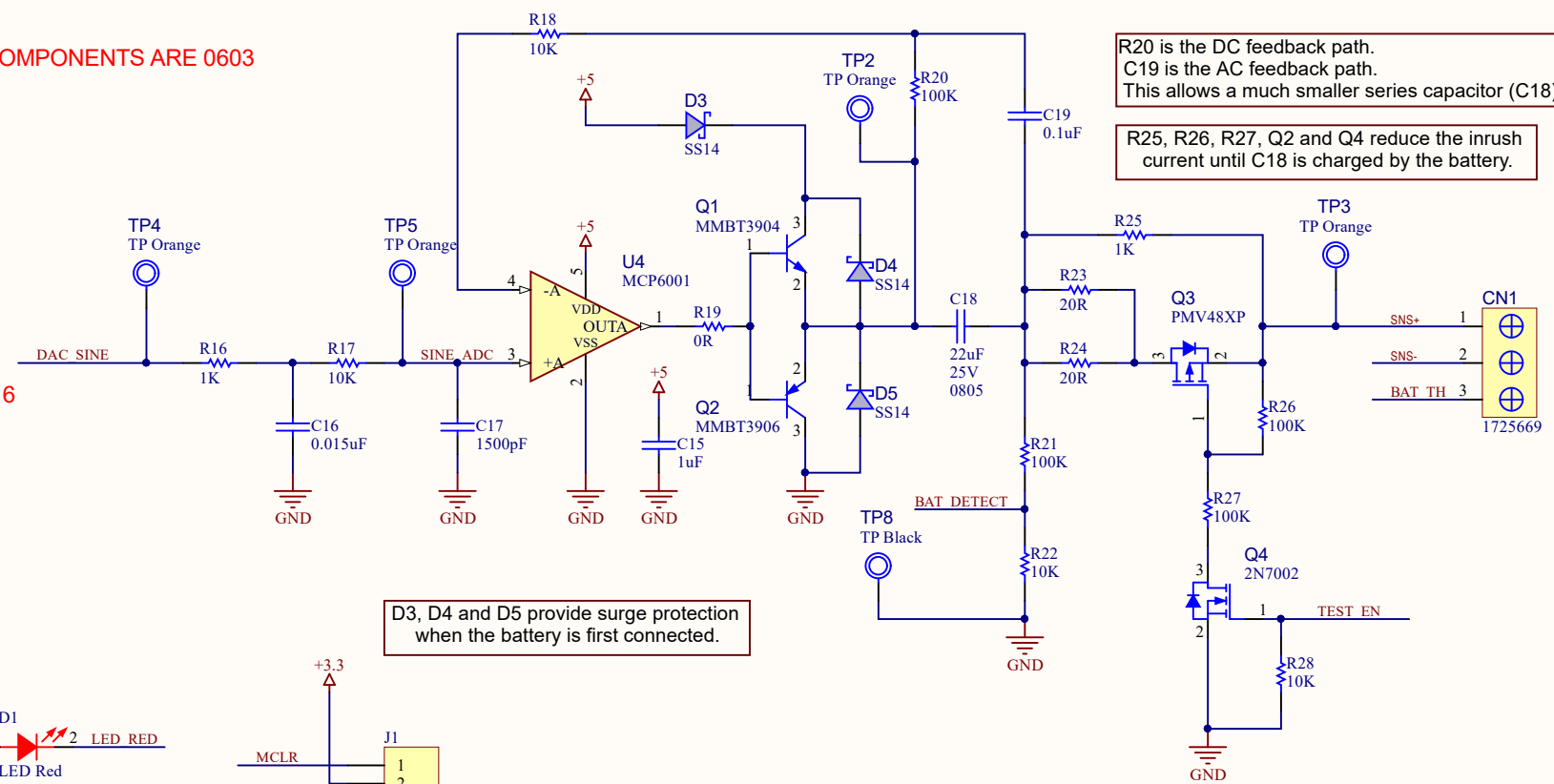


Differential amplifier permits a 4-wire measurement (Kelvin connection).



PGC is pin 18 NOT pin 16

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.

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| 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:ProjectRevision Date:4/10/2024 10:09:53 AM Sheet 2 of 2 | |
| File: dsPIC Click Analog v1.6.SchDoc | | |

