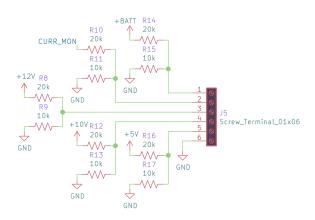


## DAQ Voltage/Current Monitoring



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File: power_board.sch		
Title: DAQ Power Board		
Size: A4 Date:	Rev:	
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Variable buck regulator. Most values taken from webench.ti.com for 17V out. https://www.ti.com/lit/ds/symlink/lmr14050.pdf VIND-₹R18 28k 100nF LMR14050 L1 3.3uH **−**DVOUT GND GND **⊸**FB 6 ₹R19 1.82k TP8 D1 B540C-13-F + C5 + C6 47uF 47uF Voltage divider sets GND under-voltage lockout to 19.2V, start voltage to 19.3V (pg. 11) GND GND R20 13.7k - C3 8.2nF FB controlled by the LDO for optimal dropout GND GND GND Set switching frequency to 1.7 MHz (pg. 11)

Set soft-start to 2ms (pg. 11) Title: **Rev:** Id: 2/7

