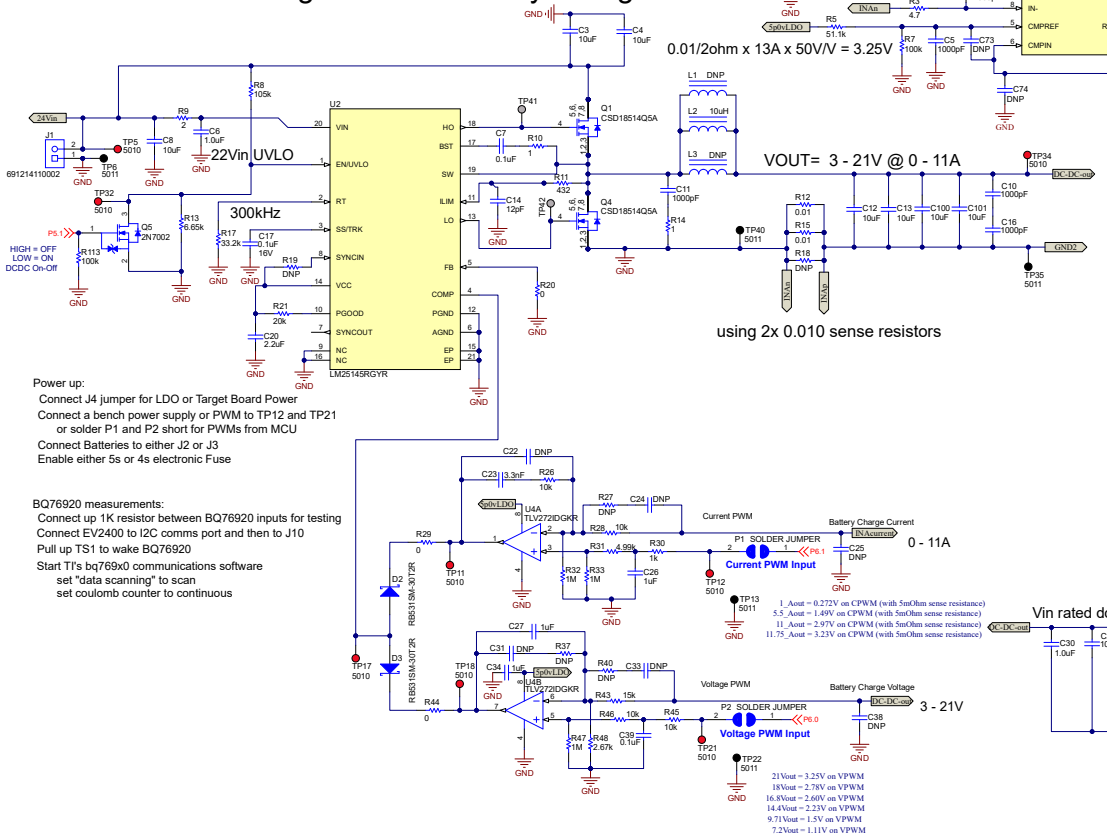
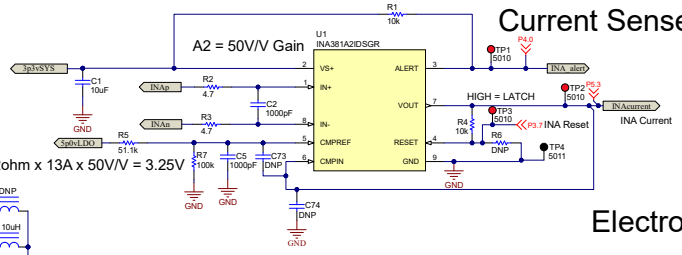
DC-DC Buck Configured As a Battery Charger



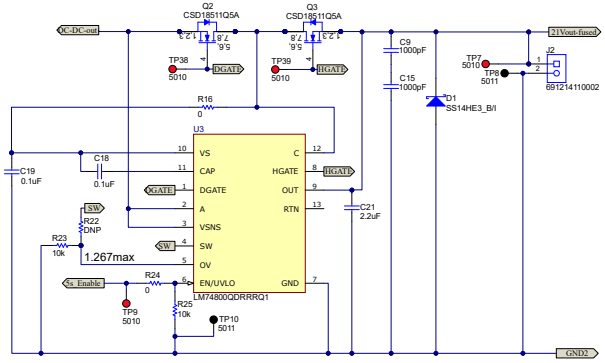
Power up:
- Connect J4 jumper for LDO or Target Board Power
- Connect a bench power supply or PWM to TP12 and TP21 or solder P1 and P2 short for PWMs from MCU
- Connect Batteries to either J2 or J3
- Enable either 5s or 4s electronic Fuse

BQ76920 measurements:
- Connect up 1K resistor between BQ76920 inputs for testing
- Connect EV2400 to I2C comms port and then to J10
- Pull up TS1 to wake BQ76920
- Start TI's bq769x0 communications software
  - set "data scanning" to scan
  - set coulomb counter to continuous

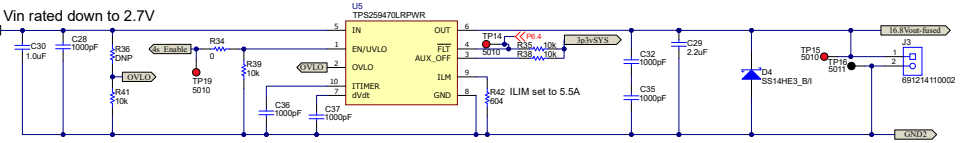
Current Sense Amp with Integrated Comparitor



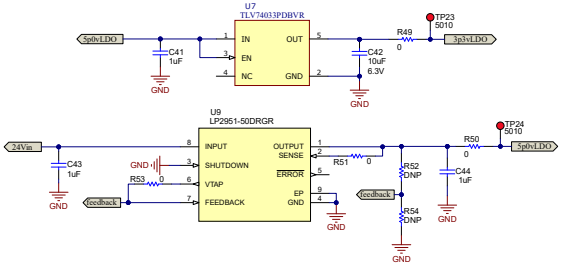
Electronic Fuse 5s Battery



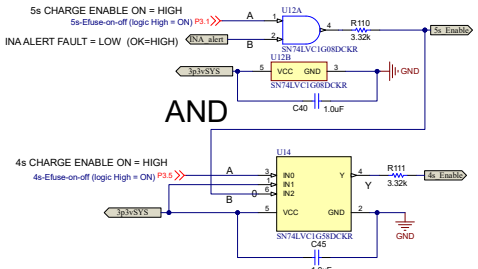
Electronic Fuse 2s / 4s Batteries

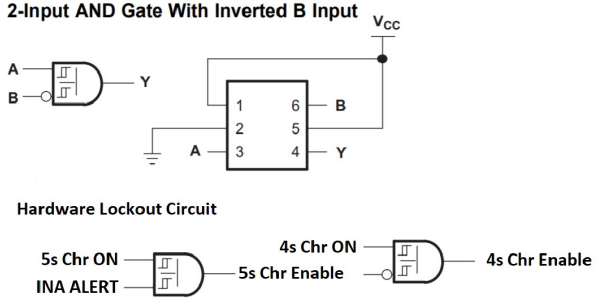


Linear Regulators



E-fuse Hardware Lockout - Using Configurable Logic Gates





Orderable:		Designed for:	Mod. Date: 12/28/2021
TID #:		Project Title:	
Number:	Rev:	Sheet Title:	
SVN Rev: Not in version control		Assembly Variant: [No Variations]	Sheet: 1 of 2
Drawn By:		File: LM25145 DC-DC Charger C07.SchDoc	Size: A2
Engineer:		Contact:	http://www.ti.com