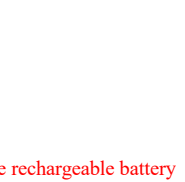
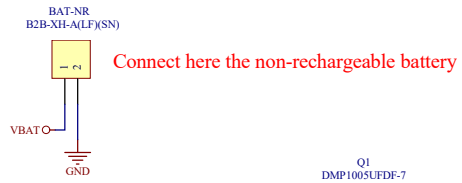
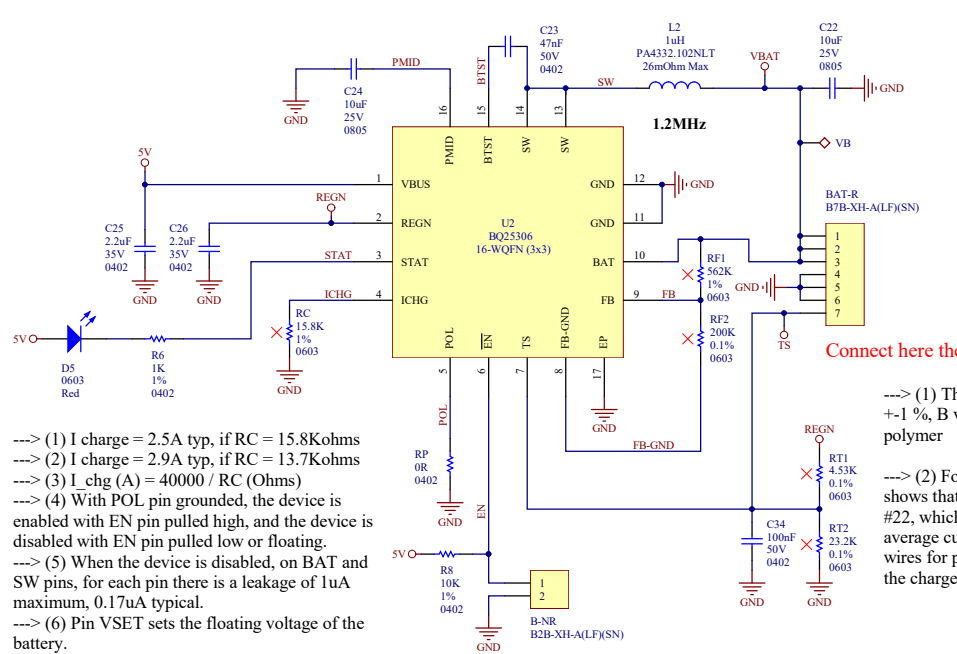


LI-ION BATTERY / POLYMER CHARGER (2.5A)

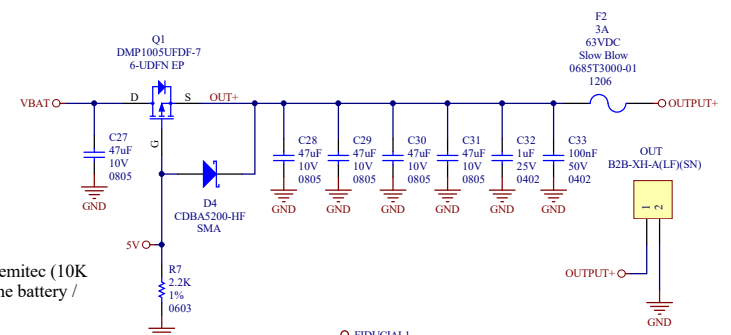


---> (1) Thermistor is 103AT-2 from Semitec (10K +1% , B value = 3435 +- 1%) inside the battery / polymer
 ---> (2) For this series of JST plugs, the datasheet shows that the thickest applicable wire is the AWG #22, which is recommended for a maximum average current of 0.92A; that is why it was used 3 wires for positive and 3 wires for negative, because the charge current is 2.5A

Connect "B-NR" before connecting a non-rechargeable battery

- > (1) I charge = 2.5A typ, if RC = 15.8Kohms
 - > (2) I charge = 2.9A typ, if RC = 13.7Kohms
 - > (3) I chg (A) = 40000 / RC (Ohms)
 - > (4) With POL pin grounded, the device is enabled with EN pin pulled high, and the device is disabled with EN pin pulled low or floating.
 - > (5) When the device is disabled, on BAT and SW pins, for each pin there is a leakage of 1uA maximum, 0.17uA typical.
 - > (6) Pin VSET sets the floating voltage of the battery.
- Shorted to GND (R < 510 Ohms): 4.2V
 - Floating (R > 200 kOhms±10%): 4.1V
 - R = 51 kOhms ± 10%: 4.35V
 - R = 10 kOhms ± 10%: 4.4V

OR'ING



- FIDUCIAL1
 - FIDUCIAL2
 - FIXATION-HOLE-1
 - FIXATION-HOLE-2
 - FIXATION-HOLE-3
 - FIXATION-HOLE-4
- Ga GND
 Gb GND