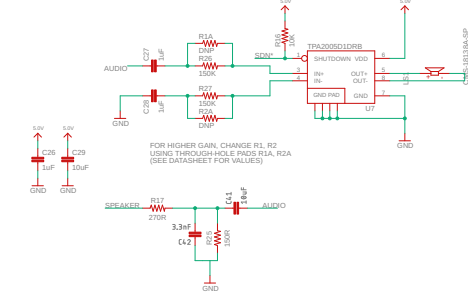
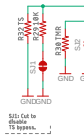


OPTIONAL EXTERNAL VOLUME CONTROL  
OPEN SOLDER JUMPER J31 AND ATTACH 10K POT TO J34  
(COM-0000, COM-0990, COM-0510, COM-0511, ETC.)



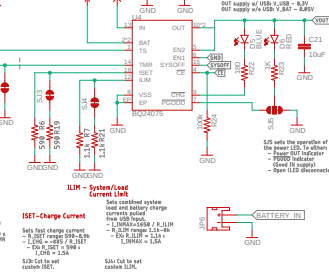
## BQ24075 - 1.5A USB-Friendly LiPo Battery Charger & Power-Path Management

**TS - External Thermistor**  
Connect TS to 25k NTC thermistor in the battery pack.  
Connect 10k resistor to BQ24075 TS pin.  
If BQ24075 is not used, TS pin is not used.



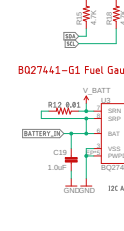
**ILIM - System/Load Current Limit**  
Set with the resistor of the power MOSFET. To allow maximum current, connect ILIM to GND.  
To set a current limit, connect ILIM to a resistor. The current limit is calculated as:  
 $I_{LIM} = \frac{V_{REF}}{R_{ILIM}}$   
Where  $V_{REF} = 1.2V$  and  $I_{LIM} = 1.5A$ .

Solder Cut to enable charge timer.

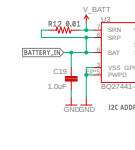


## I2C Pull-Ups

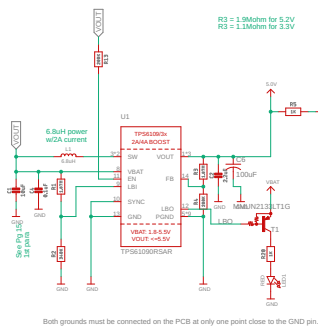
2.2k is an externally installed voltage to set the pull-up resistor R20.  
Alternate range: 1.5k-4.7k



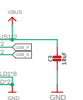
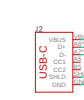
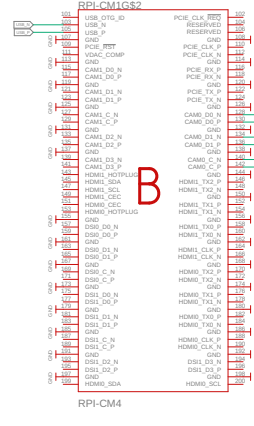
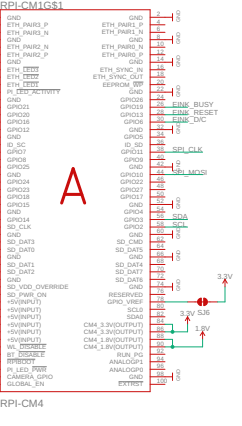
## BQ27441-G1 Fuel Gauge



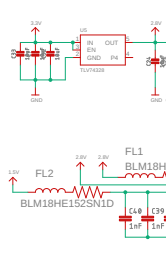
## 5V BOOST



Both grounds must be connected on the PCB at only one point close to the GND pin.



## CAMERA MODULE



## EINK HIGH VOLTAGE MODULE

