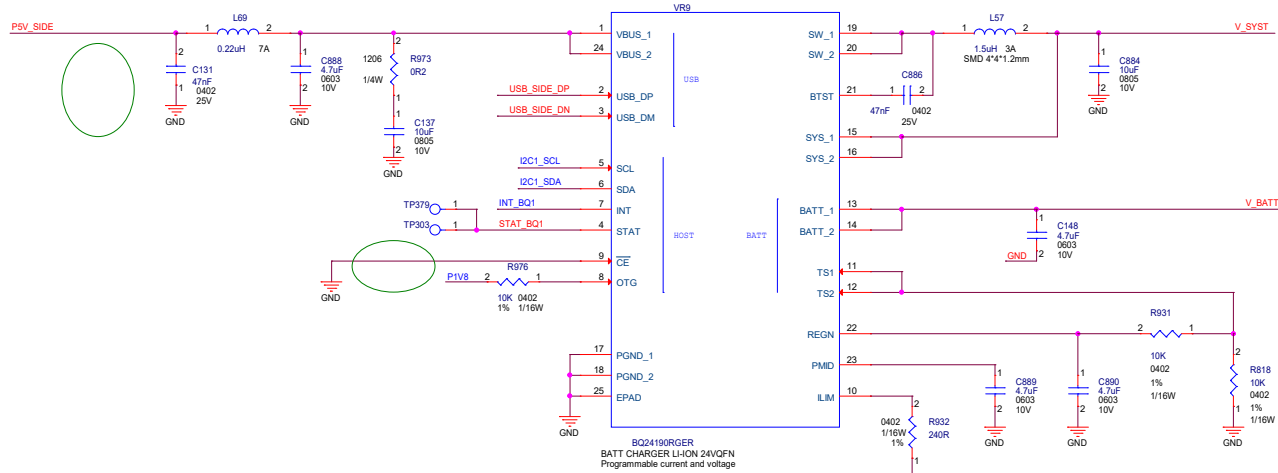
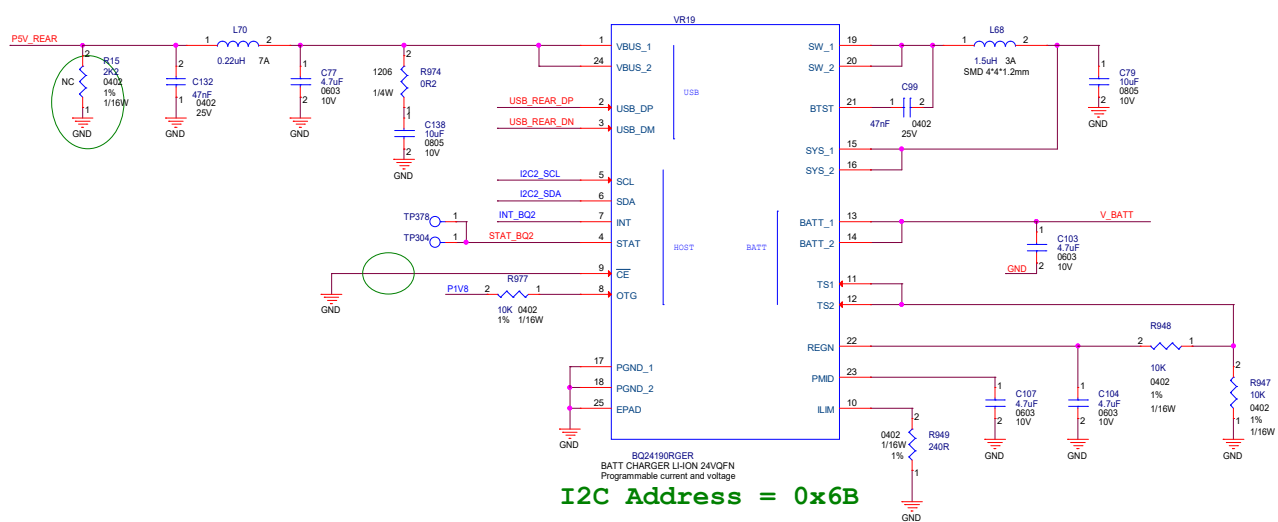


## BATTERY CHARGER USB SIDE/ OTG 5V BOOST



I2C Address = 0x6B

## BATTERY CHARGER USB REAR/ OTG 5V BOOST



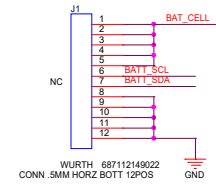
I2C Address = 0x6B

- \* USB SIDE IS EITHER A HOST, A DEVICE OR A POWER SUPPL.
- \* INPUT CURRENT LIMIT FROM USB 2.2A max (ILIM pin)
- \* DIFFERENT INPUT CURRENT WEATHER CHARGER OR HOST IS DETECTED (USB DP, USB DM pins)
- \* POSSIBILITY TO GENERATE 5V ON P5V\_USB1 (Software)
- \* NO TEMPERATURE SENSE
- \* WHEN NO SOFTWARE (DEFAULT VALUE):
  - CHARGING CURRENT WHEN HOST: 500 mA
  - CHARGING CURRENT WHEN POWER SUPPLY: 1.5A

BATTERY PROTECTION IC: G3AT2G

- \* discharge over current: between 4A and 7A
- \* Overcharge detection: 4.35V typ.
- \* Overdischarge voltage: 2.5V typ

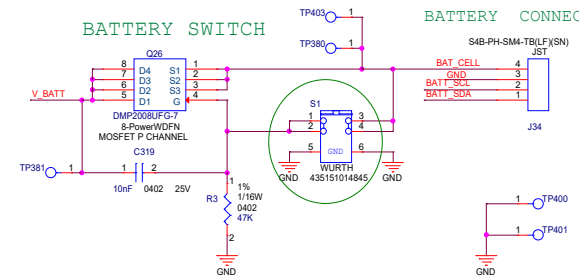
If removable battery Pack



GAUGE IC: BQ27541  
IC2 ADDR: 0xAA



BATTERY SWITCH



BATTERY CONNECTOR

- \* USB REAR IS EITHER A HOST OR A POWER SUPPLY
- \* POSSIBILITY TO GENERATE 5V ON P5V\_SIDE (Software)
- \* NO TEMPERATURE SENSE
- \* WHEN NO SOFTWARE (DEFAULT VALUE):
  - > CHARGING CURRENT WHEN POWER SUPPLY 1.5A
  - > CHARGING VOLTAGE: 4.2V
- \* CHARGING CURRENT AND CHARGING VOLTAGE NOT PRGRAMMABLE

## CHARGING LEDS TRUTH TABLE

P5V_USBx	IDx	STAT_BQx	Led Ambre	Led green	nCHARGER_PRESENT
0	X	X	OFF	OFF	1
X	0	X	OFF	OFF	1
1	1	0	ON	OFF	0
1	1	1	OFF	ON	0