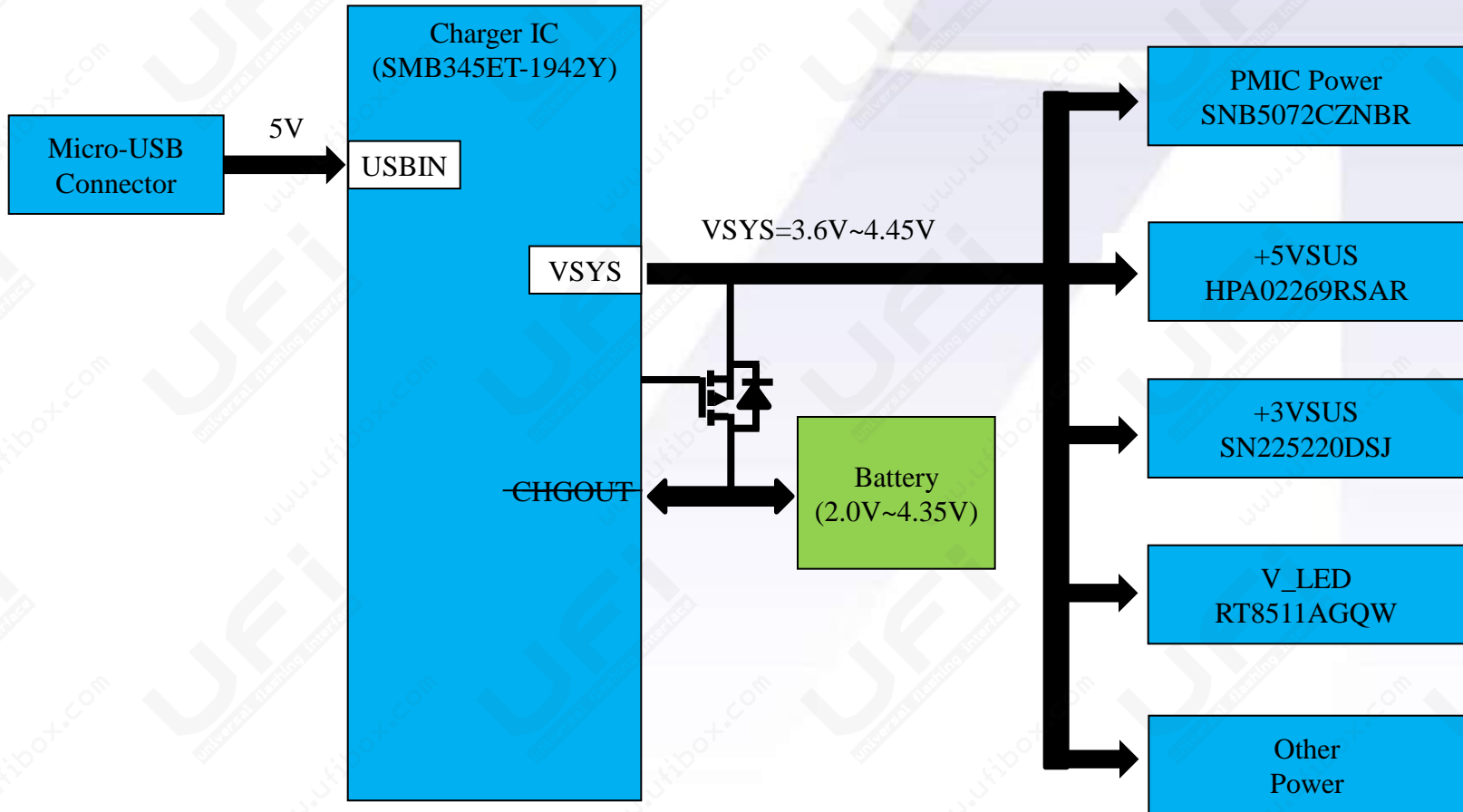


# ME372CG PAD POWER Check



# ME372CG Power Structure



# Charger can not charge

- Check battery have over discharge
  - When battery by discharge ,you need charge battery over 30 Minute ,because this is Protection mechanisms

# Can not Charge

- USBIN Charging Error (1/2)

1. ASUS Adapter Plug-In



2. Check CHG\_USBIN\_S = 5V( $\pm 0.5V$ )



3. Check CHG\_MIDUSBIN\_S = 5V( $\pm 0.5V$ )



4. Check  $3.6V < VSYS < 4.45V$

# Can not Charge

- USBIN Charging Error (2/2)

5. Check  $\text{CHG\_EN\#} < 0.4\text{V}$



6. Check  $2.0\text{V} < \text{BAT} < 4.35\text{V}$



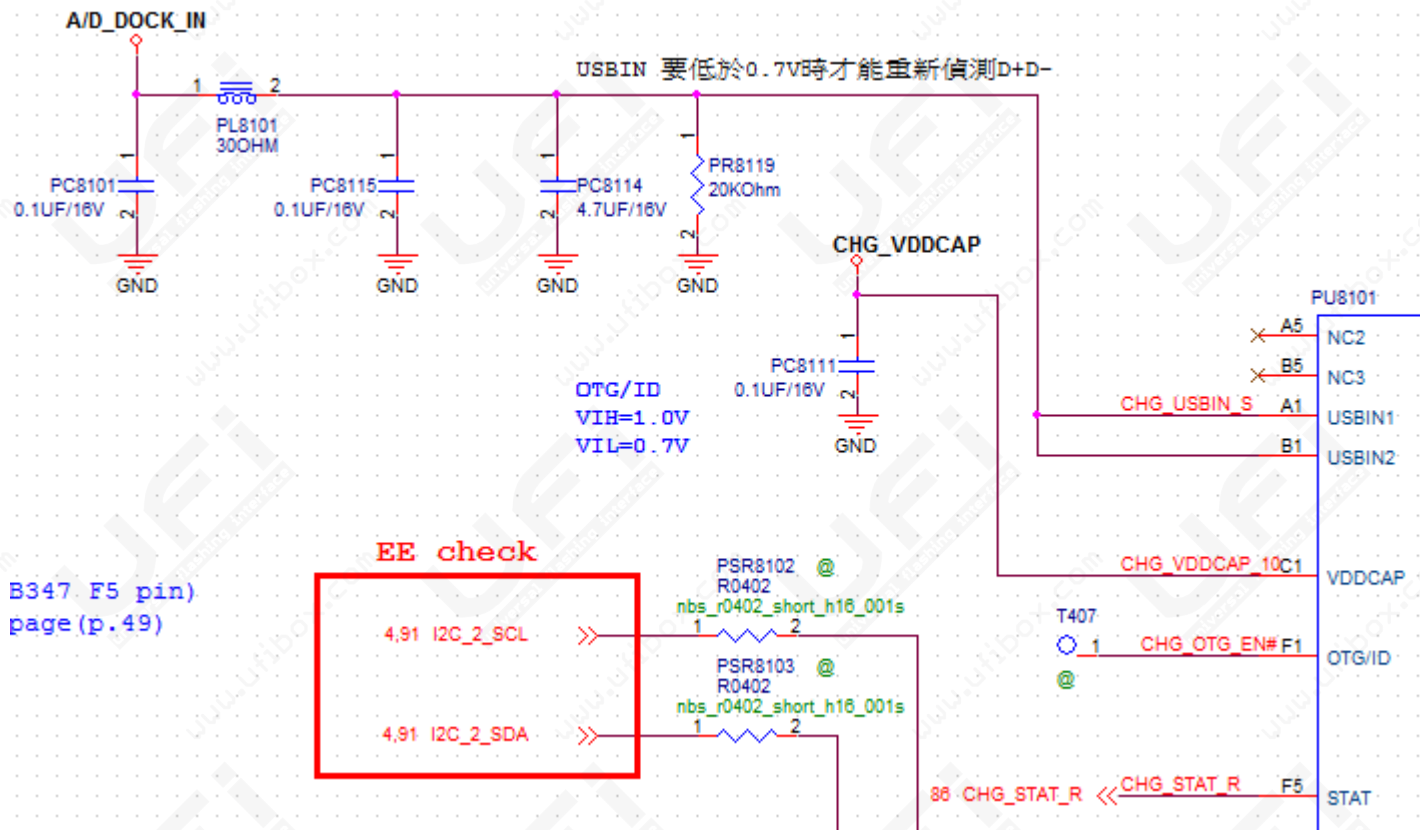
7. Check  $\text{VSYS(PC8104)} \geq \text{BAT(PC8107)} + 0.1\text{V}$



8. Check  $2\text{V} < \text{CHG\_THERM} < 4\text{V}$

# Can not Charge

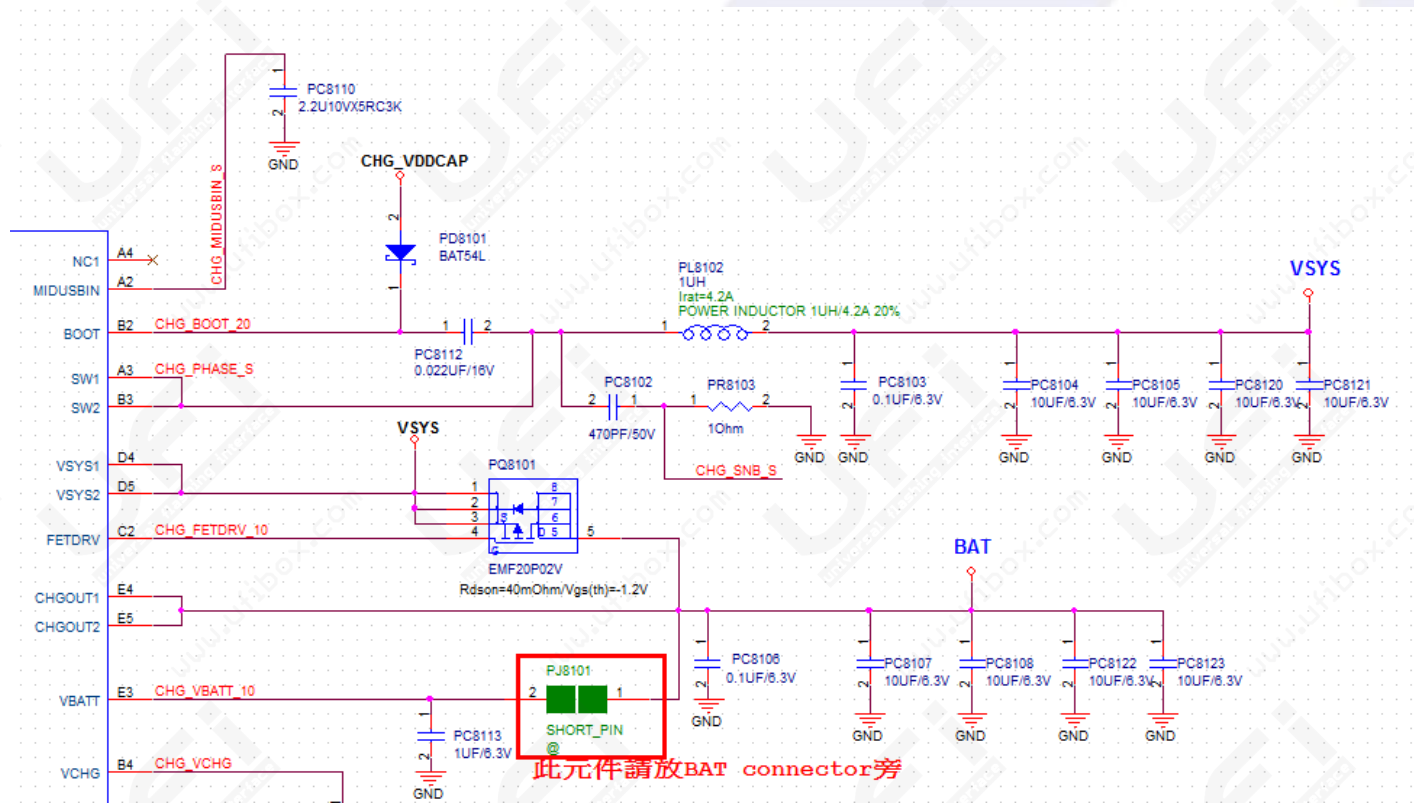
- CHG\_USBIN\_S need have 5V( $\pm 0.5V$ )
  - If no check or exchange PL8101





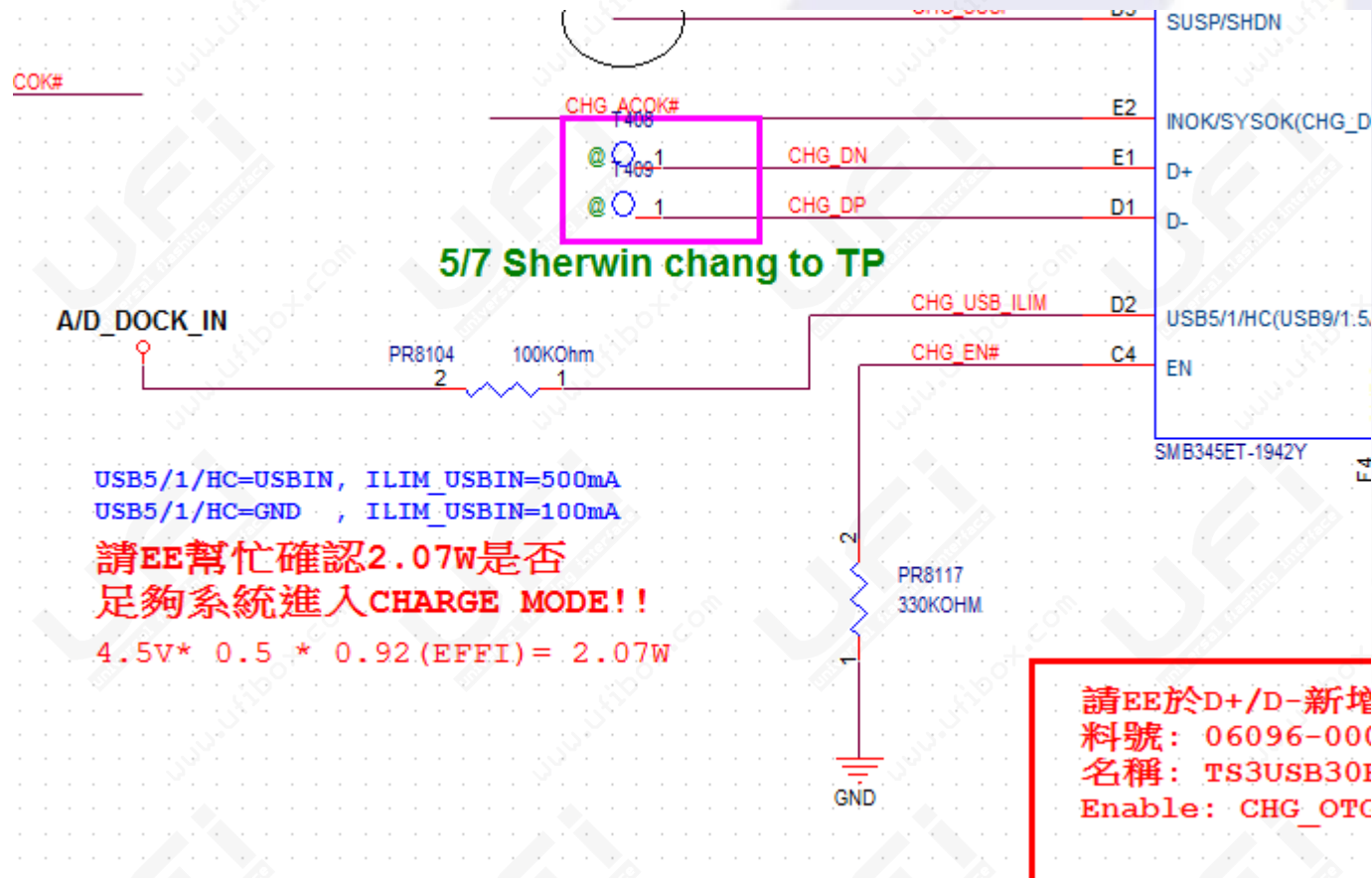
# Can not Charge

- CHG\_MIDUSBIN\_S need have 5V( $\pm 0.5V$ )
  - If no, check or exchange PU8101、PC8110
- Check  $3.6V < VSYS < 4.45V$  or not
  - If no, check or exchange PL8102



# Can not Charge

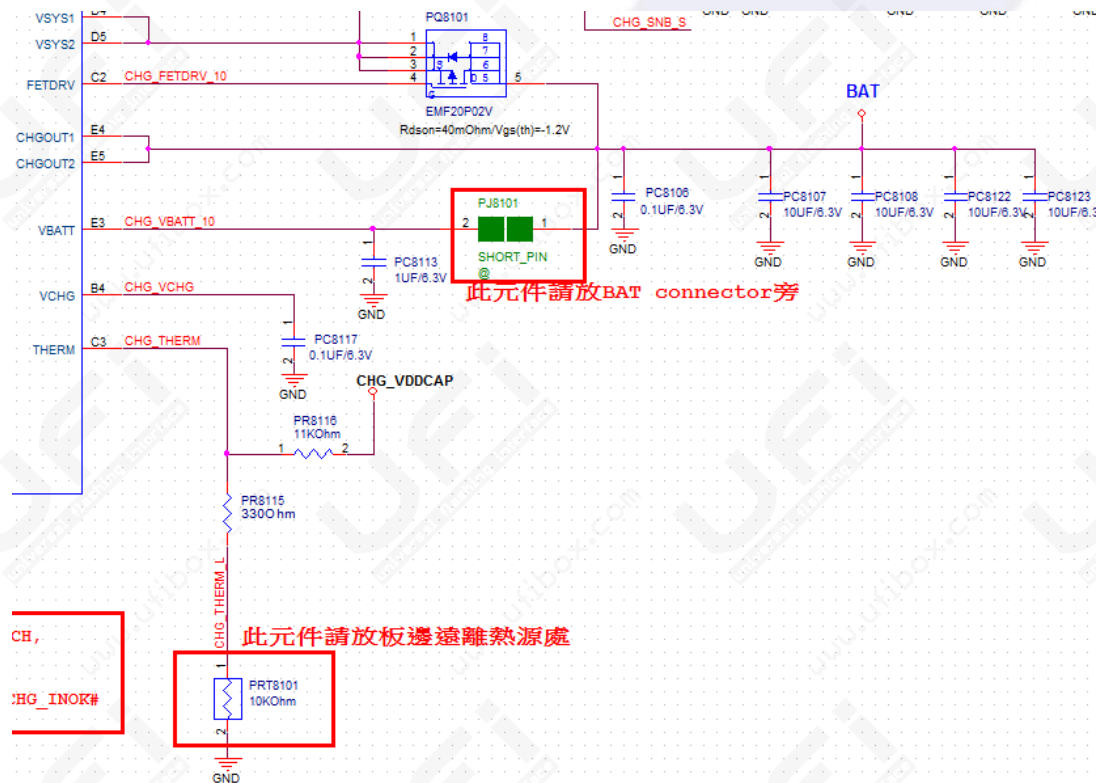
- CHG\_EN# need <0.4V
  - If no, check or exchange PR8117.





# Can not Charge

- Check  $2.0V < BAT < 4.35V$ 
  - If no, check BAT、BAT\_CON.
- Check  $2V < CHG\_THERM < 4V$ 
  - If no, check or exchange PR8116、PR8115、PRT8101

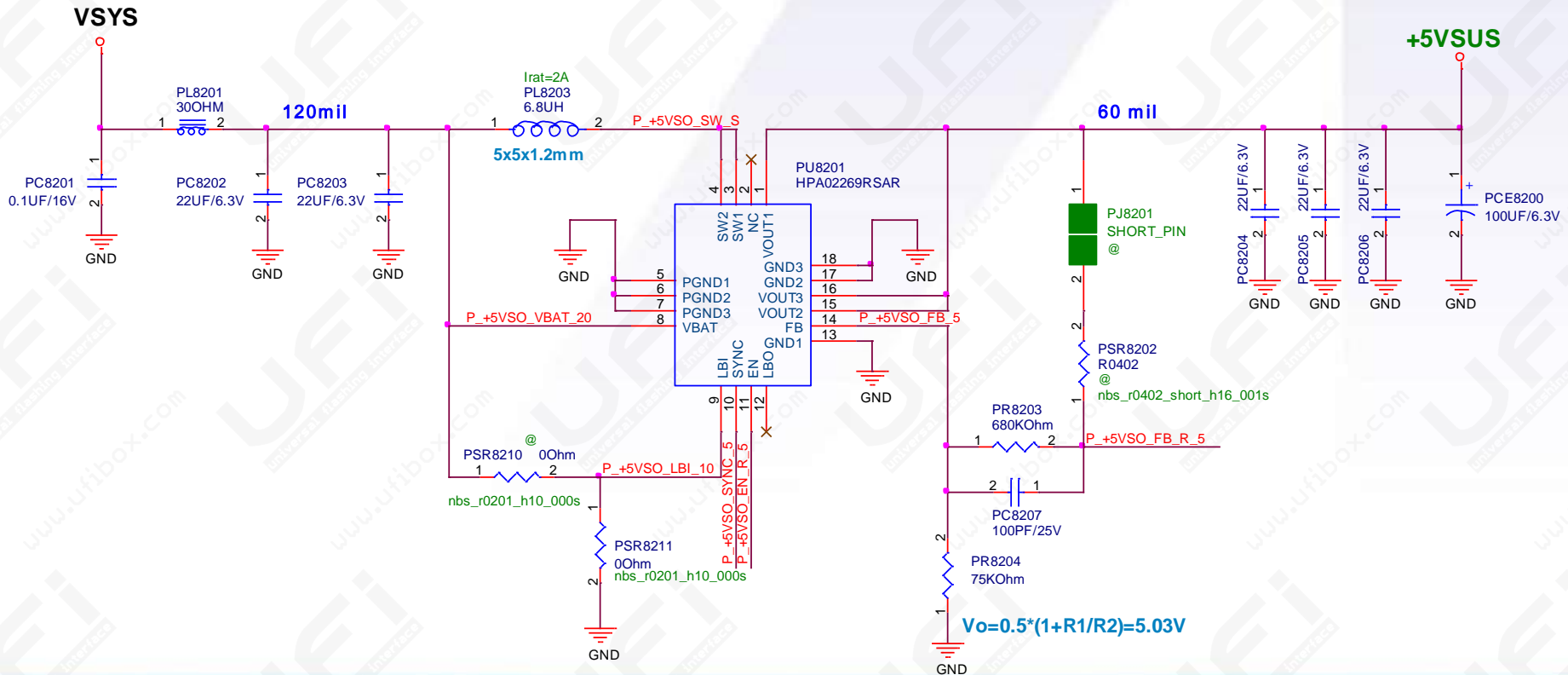


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# No +5VSUS

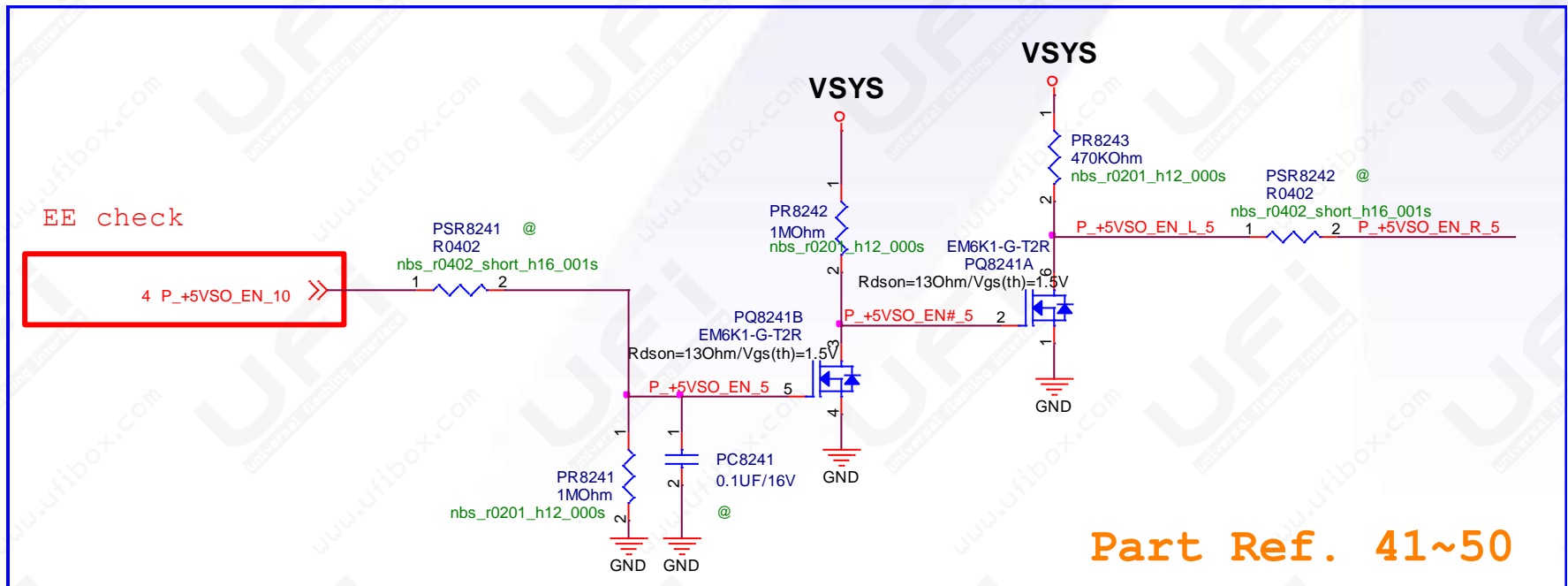
- P\_+5VSO\_VBAT\_20 need have 3.6~4.45V
  - If no, check or exchange PL8201
- P\_+5VSO\_SW\_S need have 3.6~4.45V
  - If no, check or exchange PL8203

BAT=3V~4.35V



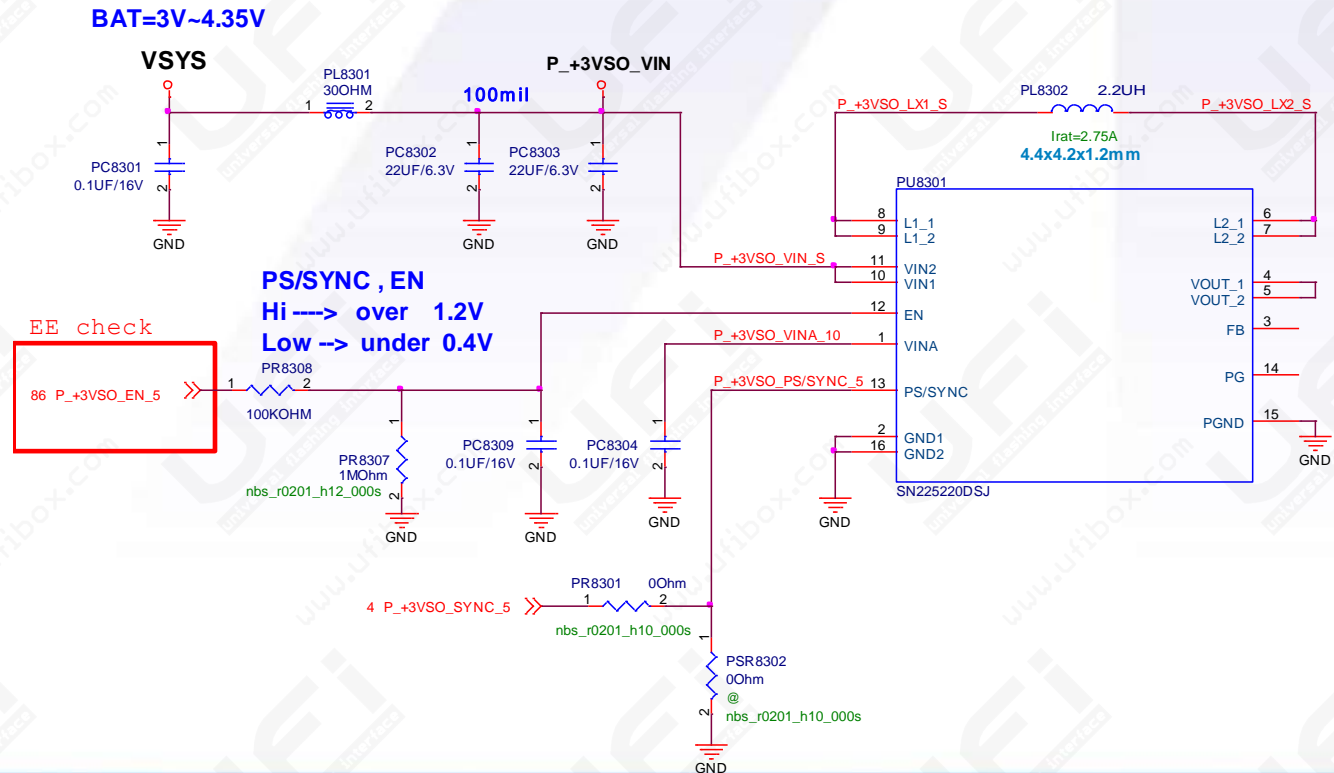
# No +5VVSUS

- P\_+5VSO\_EN\_R\_5 need have 3.6~4.45V
  - If no, check or exchange PSR8241、PSR8242、PR8241、PR8243P\_+5VSO\_EN\_10 need have 1.8V



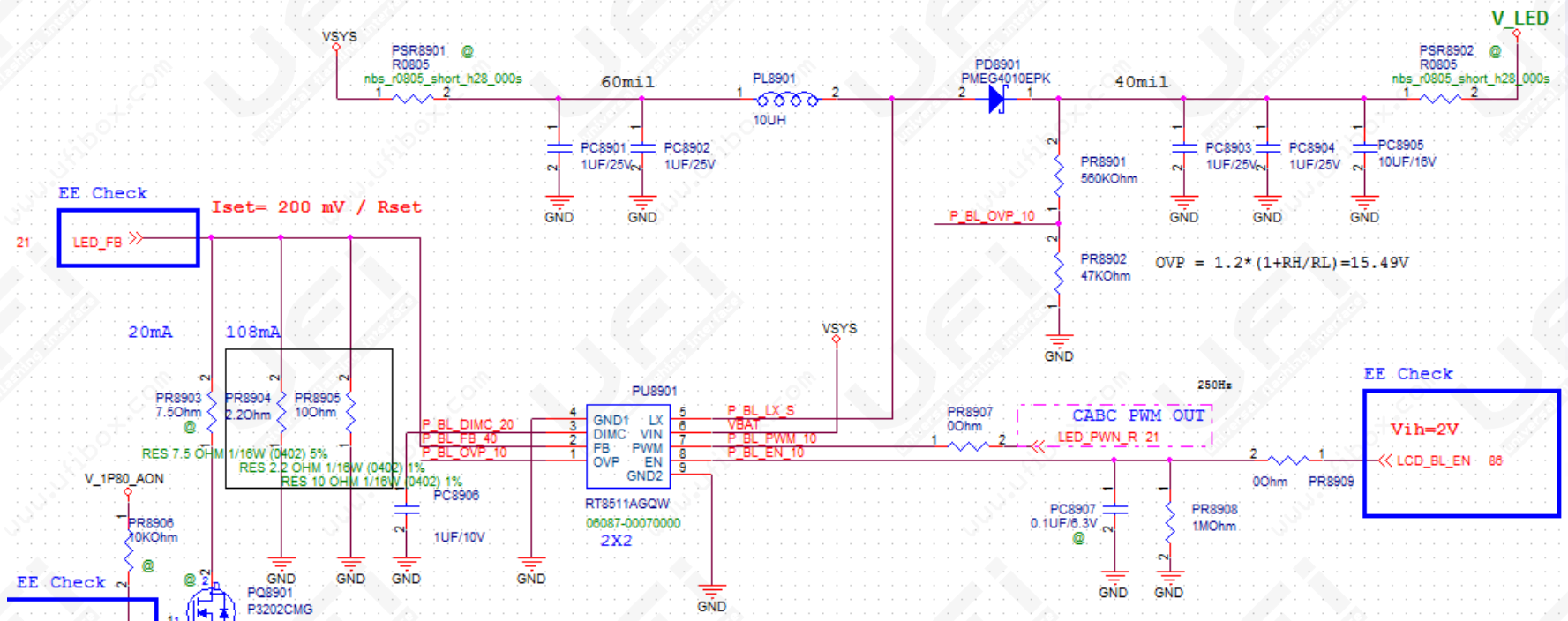
# No +3VSUS

- P\_+3VSO\_VIN\_S、P\_+3VSO\_LX1\_S、P\_+3VSO\_LX2\_S need have 3.6~4.45V
  - If no, check or exchange PL8301、PL8302.
- P\_+3VSO\_EN\_5 need have 3.3V
  - If no, check or exchange PR8308、PR8307



# No BL Power

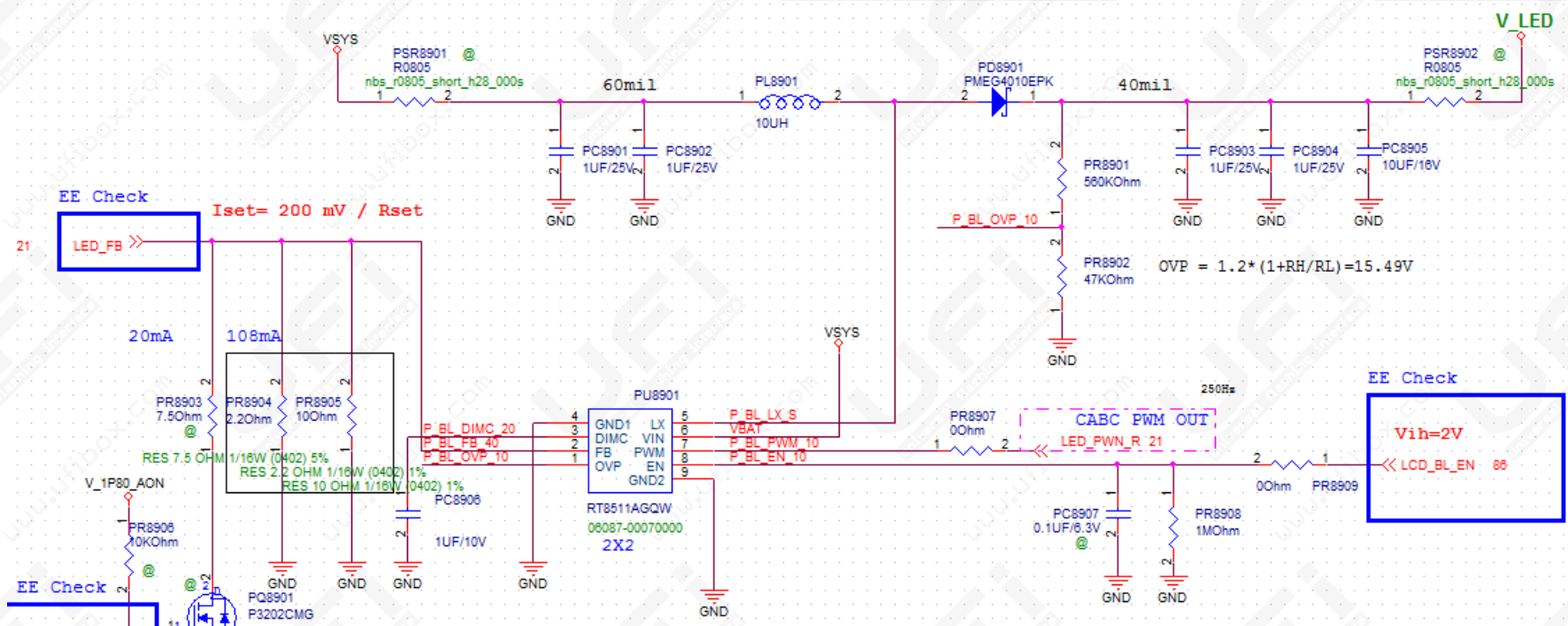
- P\_BL\_PIN\_S need have 3.6~4.45V
  - If no, check or exchange PL8901
- IC VIN need have 3.6~4.45V
  - If no, check or exchange PU8901.





# No BL Power

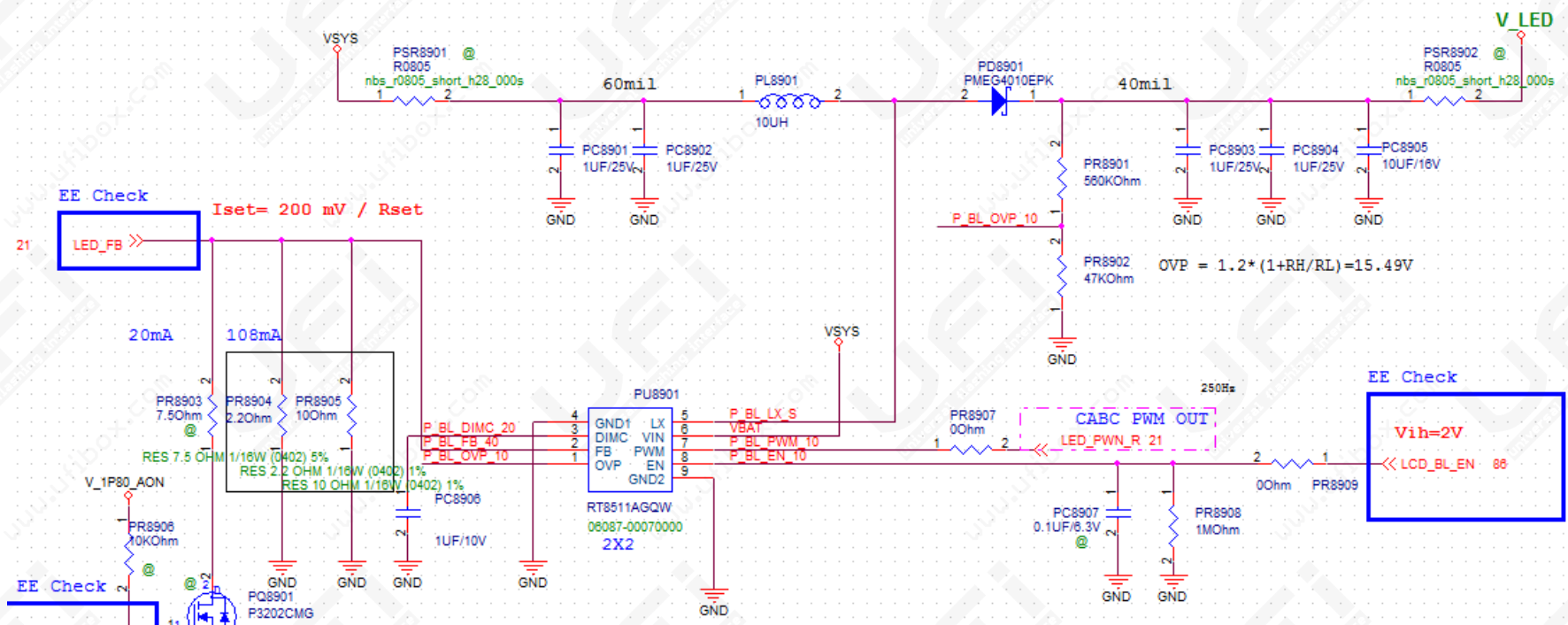
- Check P\_BL\_PWM\_10 signal have normal or not.
- Check LED\_PWN\_R is normal or not
  - If no, check or exchange PR8907
- P\_BL\_EN\_10 need have 3.3V
  - If no, check or exchange PR8909





# No BL Power

- P\_BL\_FB\_40 need have 0.2V
- If no, check or exchange PR8904、PR8905.



Thank You!

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