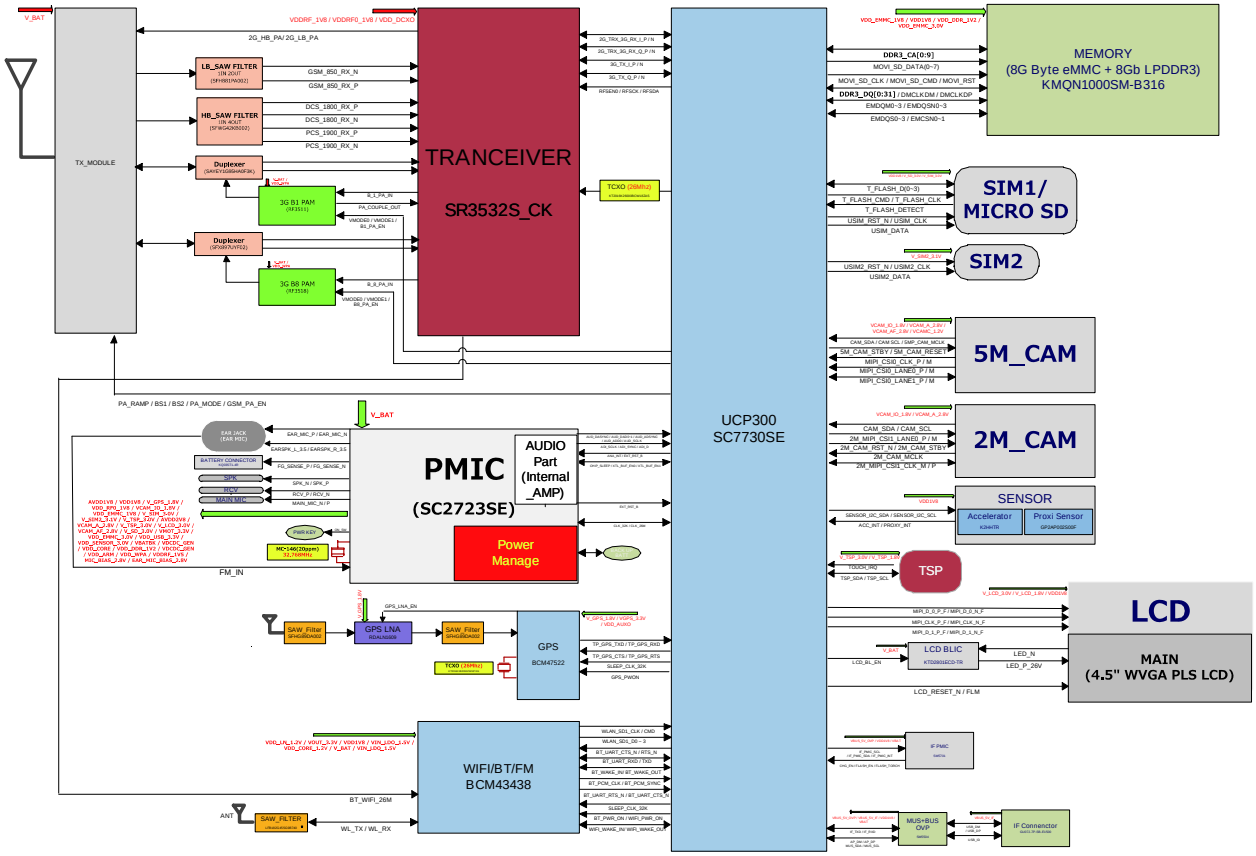
8. Level 3 Repair

8-1.Block Diagram

SM-G361H/DS (Core-Prime 3G VE) BLOCK DIAGRAM



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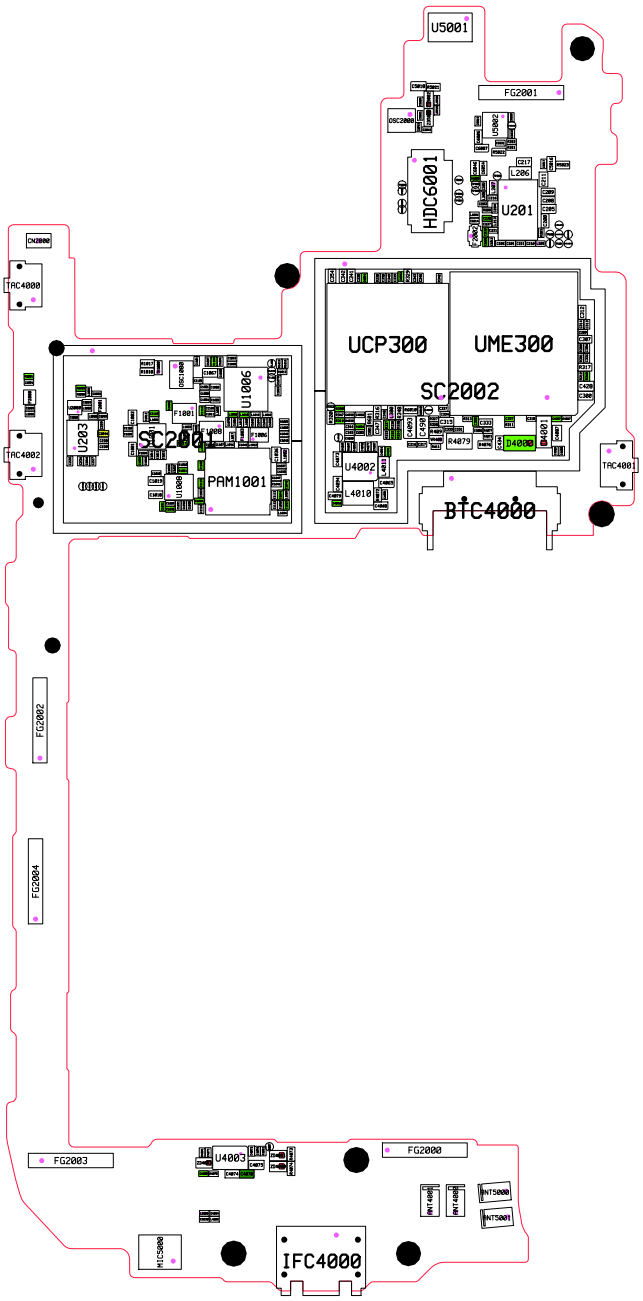
8-2. PCB Diagrams

8-2-1. Top



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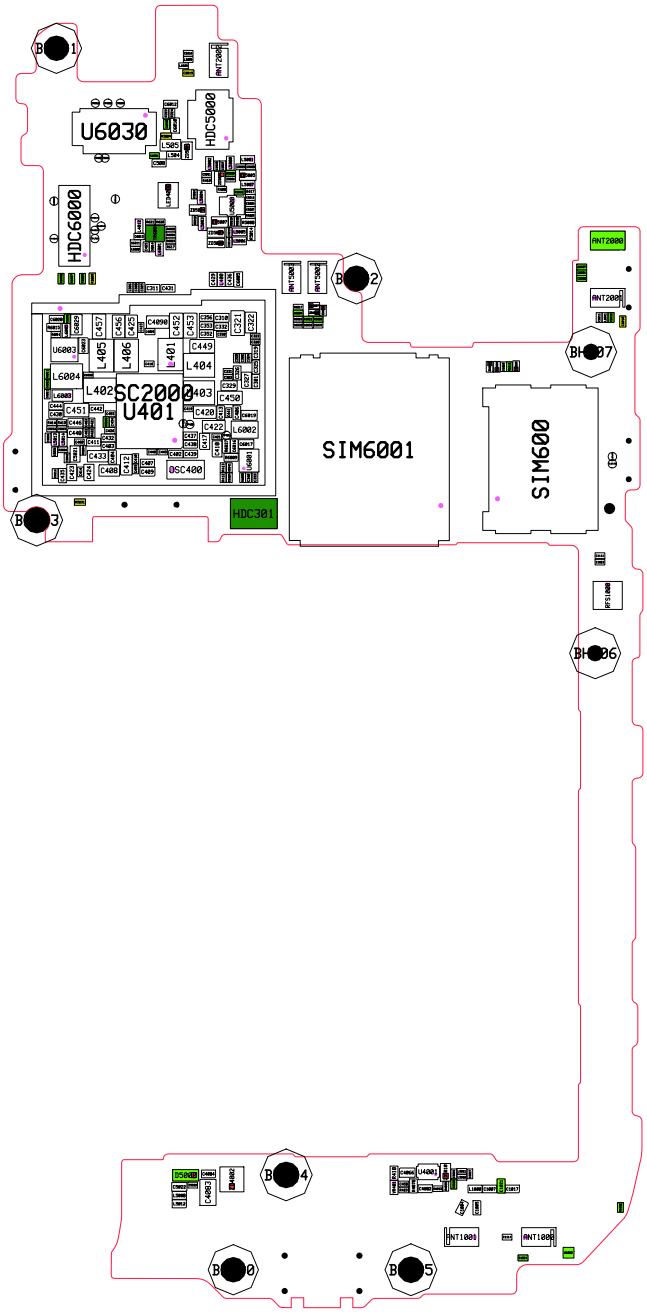
8-2-2. Bottom



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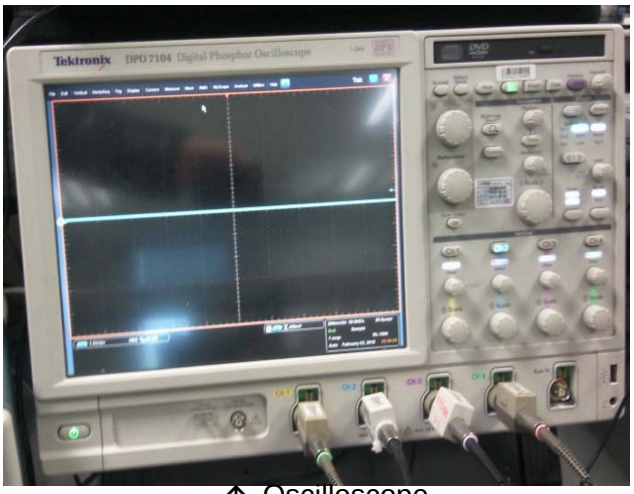
8-3. Flow Chart of Troubleshooting

Equipments

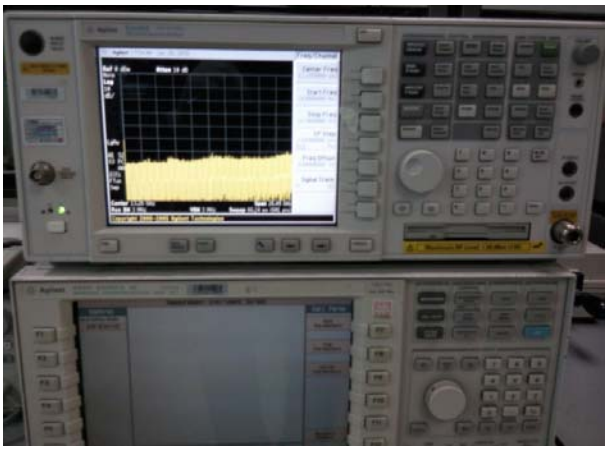


↑ Oscilloscope

á Digital Multi-meter

á Power Supply

á + driver,ESD Safe Tweezer



á 8960 & SpectrumAnalyzer

á Soldering iron

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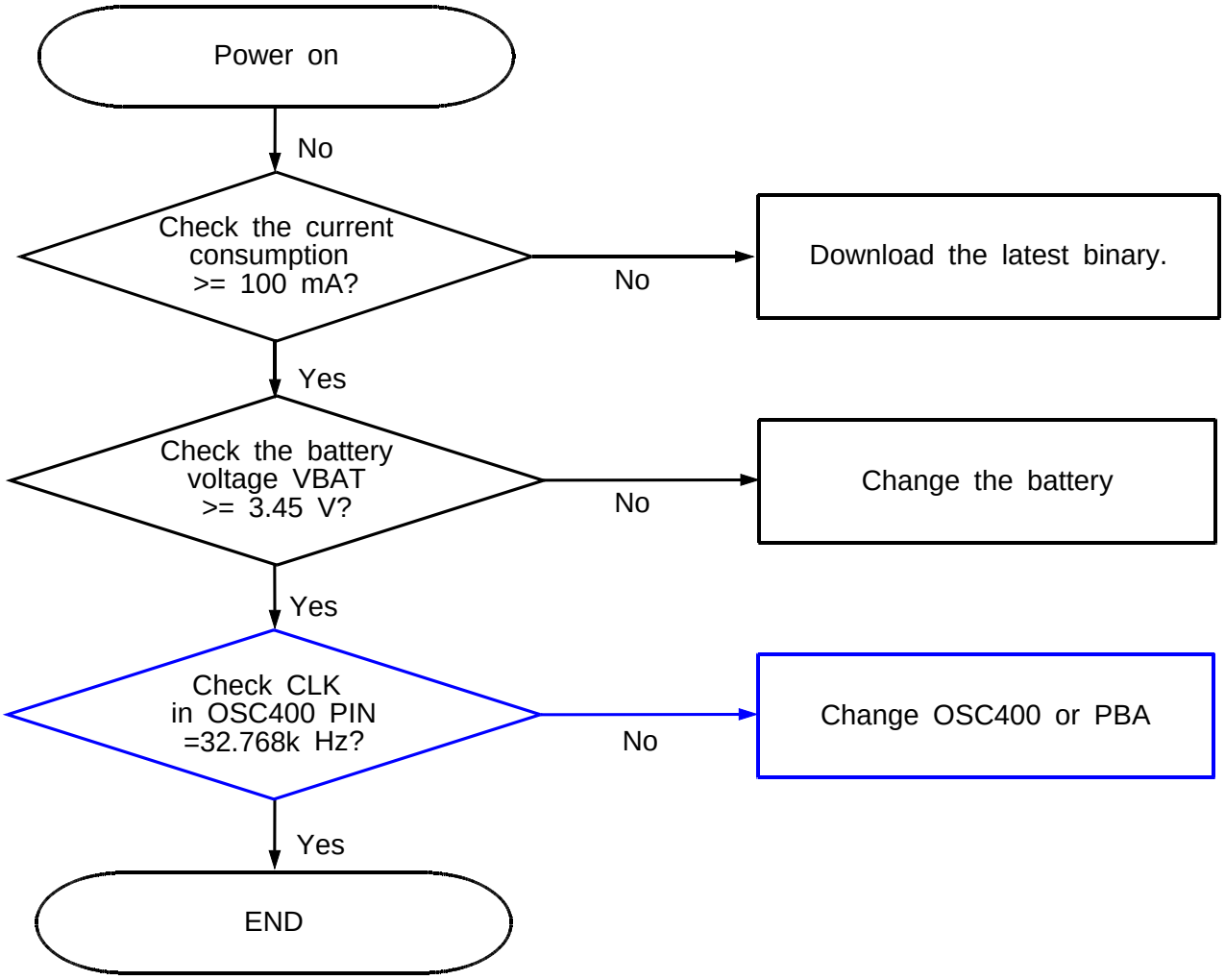
8-3-1. Power On



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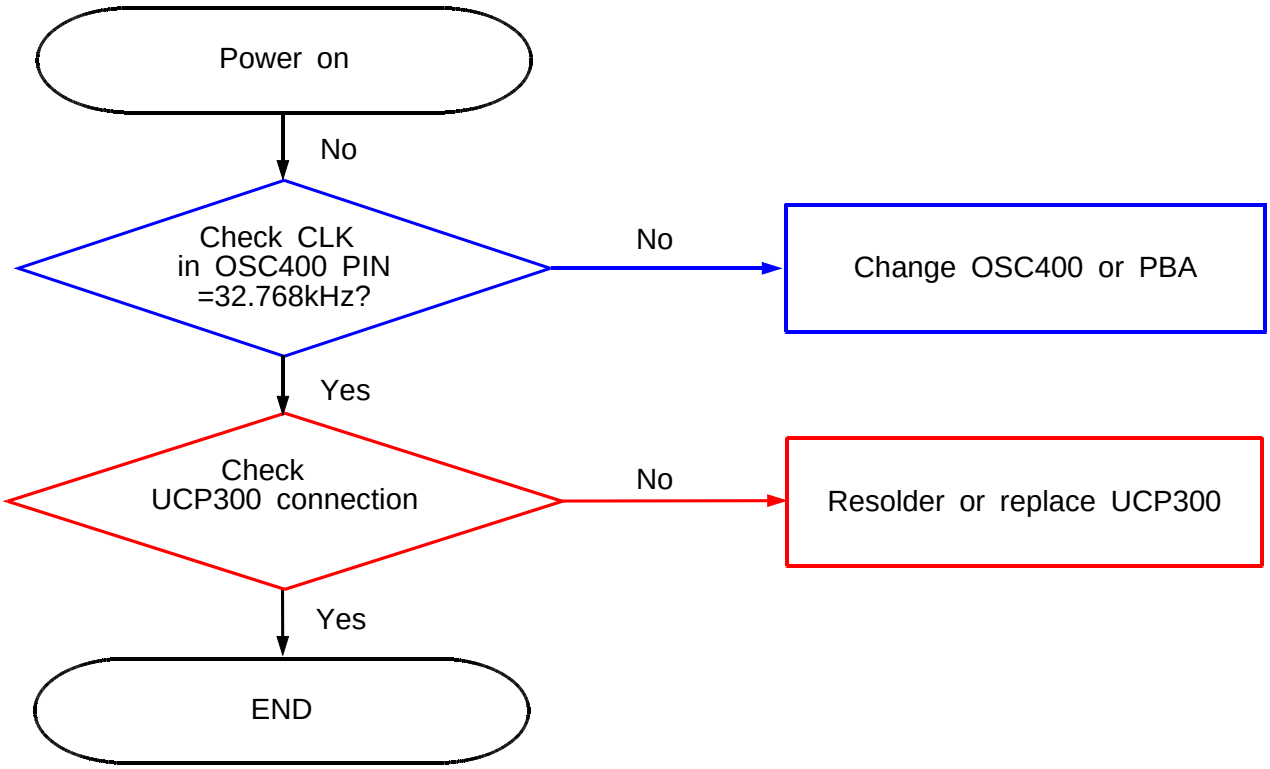
8-3-2. Initial



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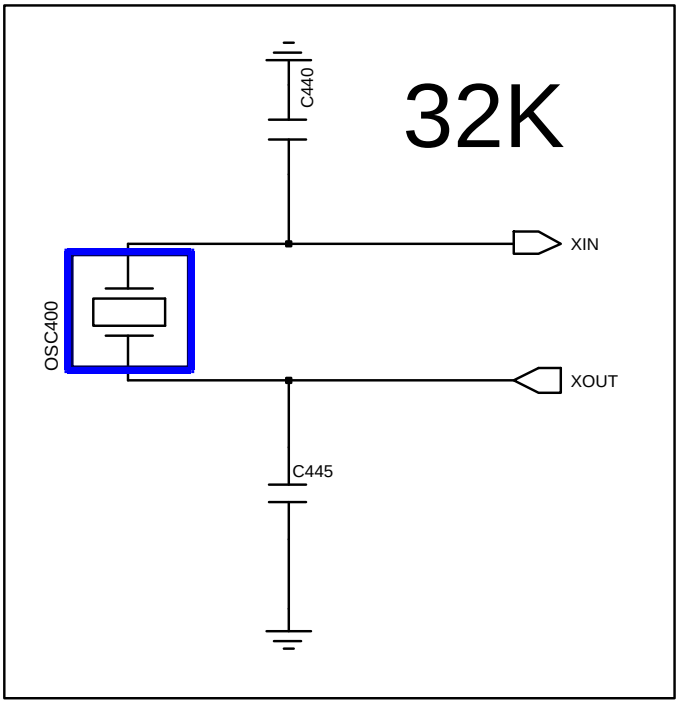

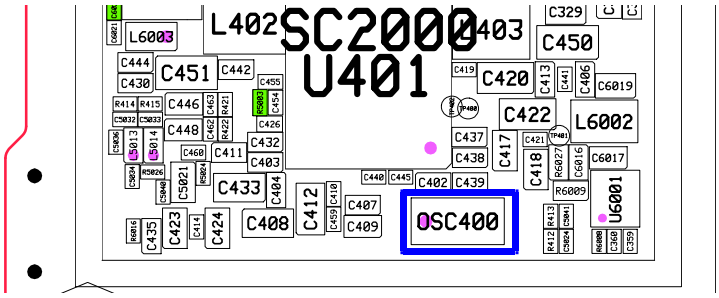

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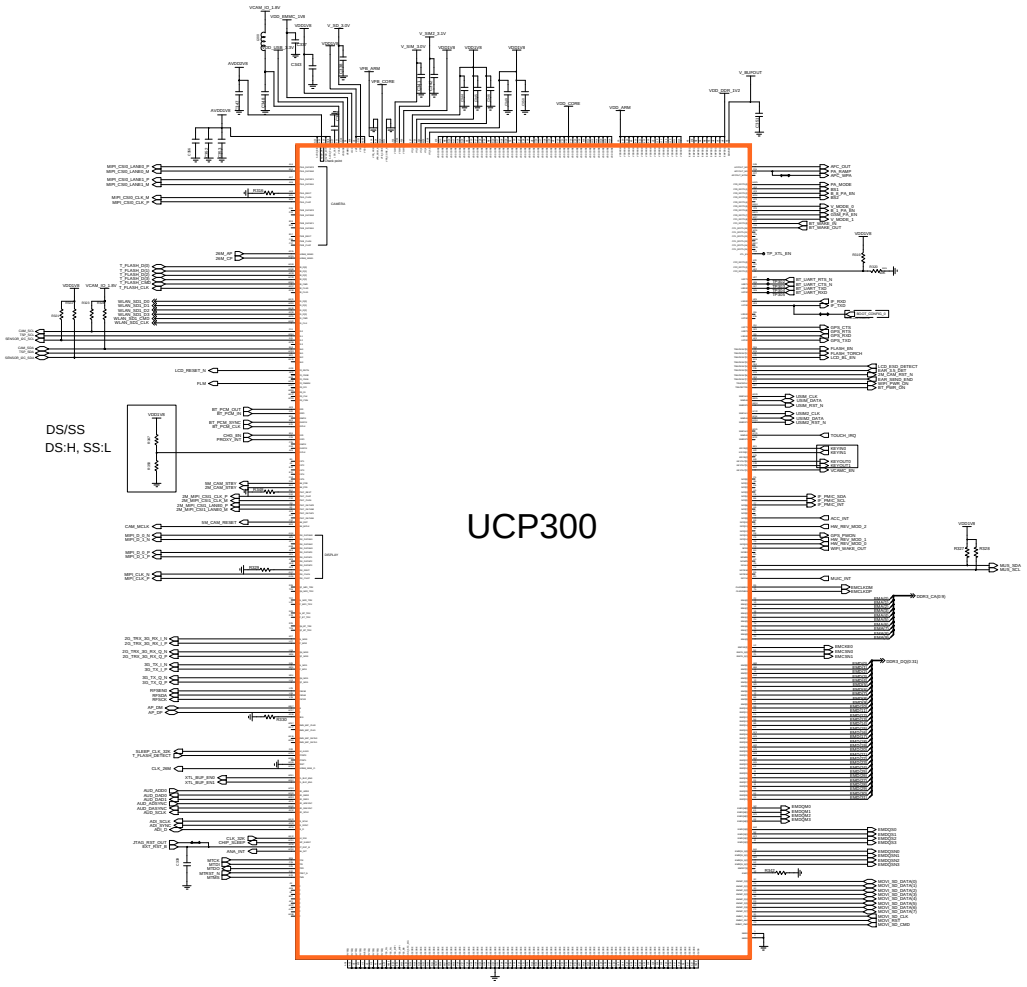

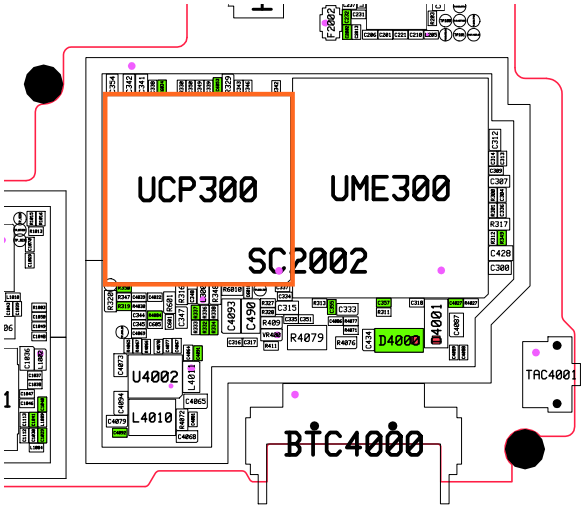

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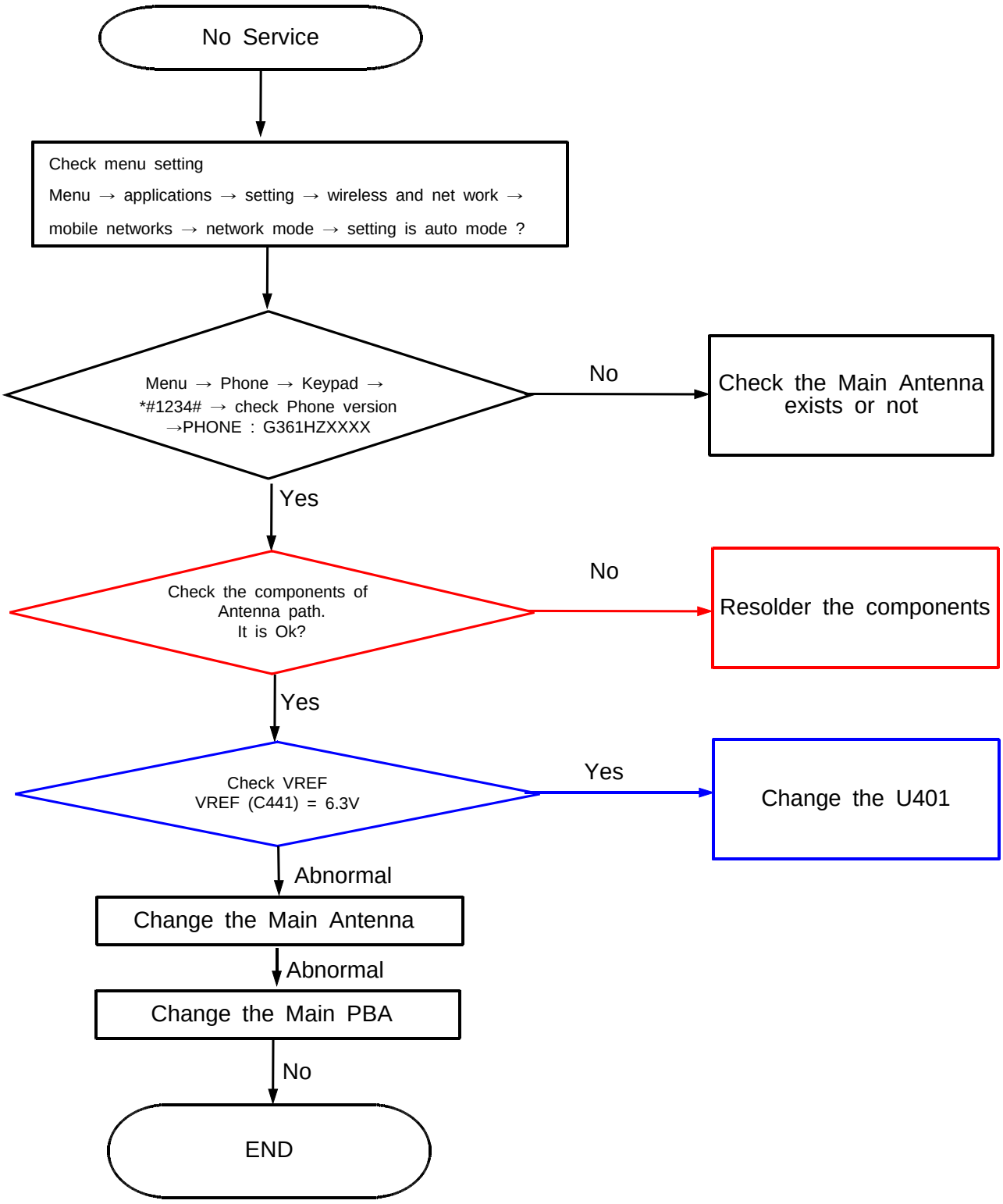
8-3-3. No Service.



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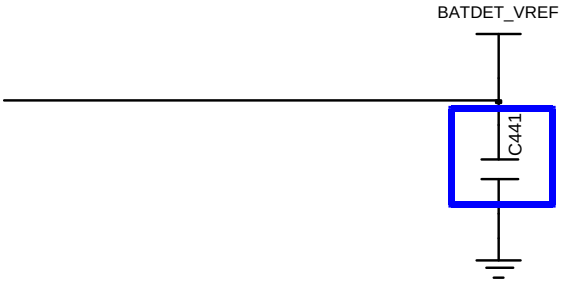

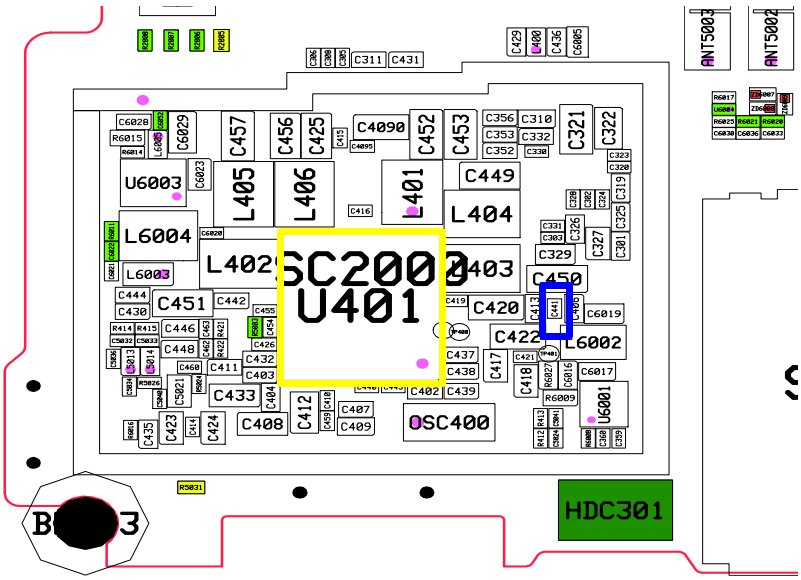

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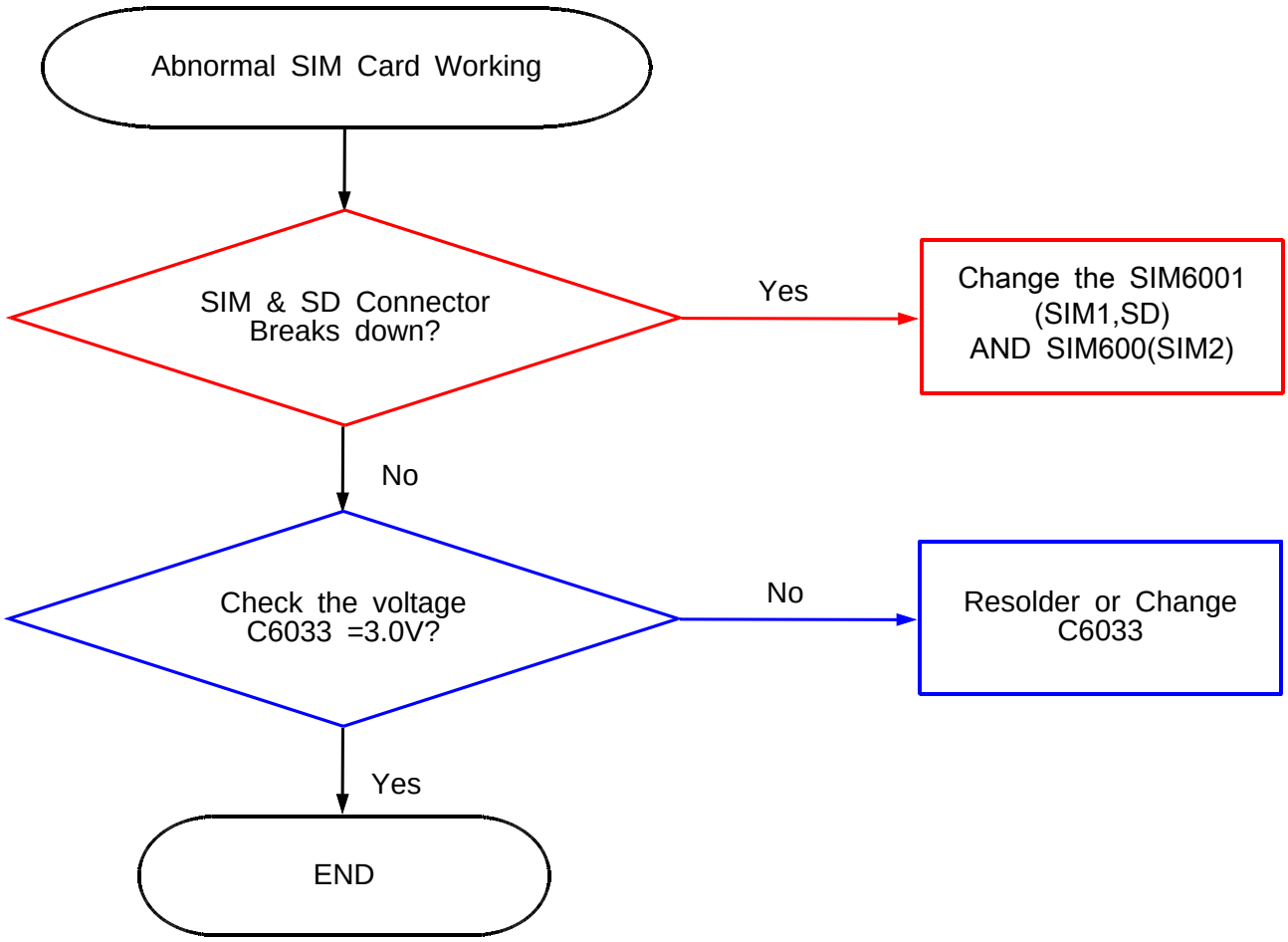
8-3-4. SIM & SD Card Working

SIM600 → SM-G360H/DS mount
SM-G360H/SS NC



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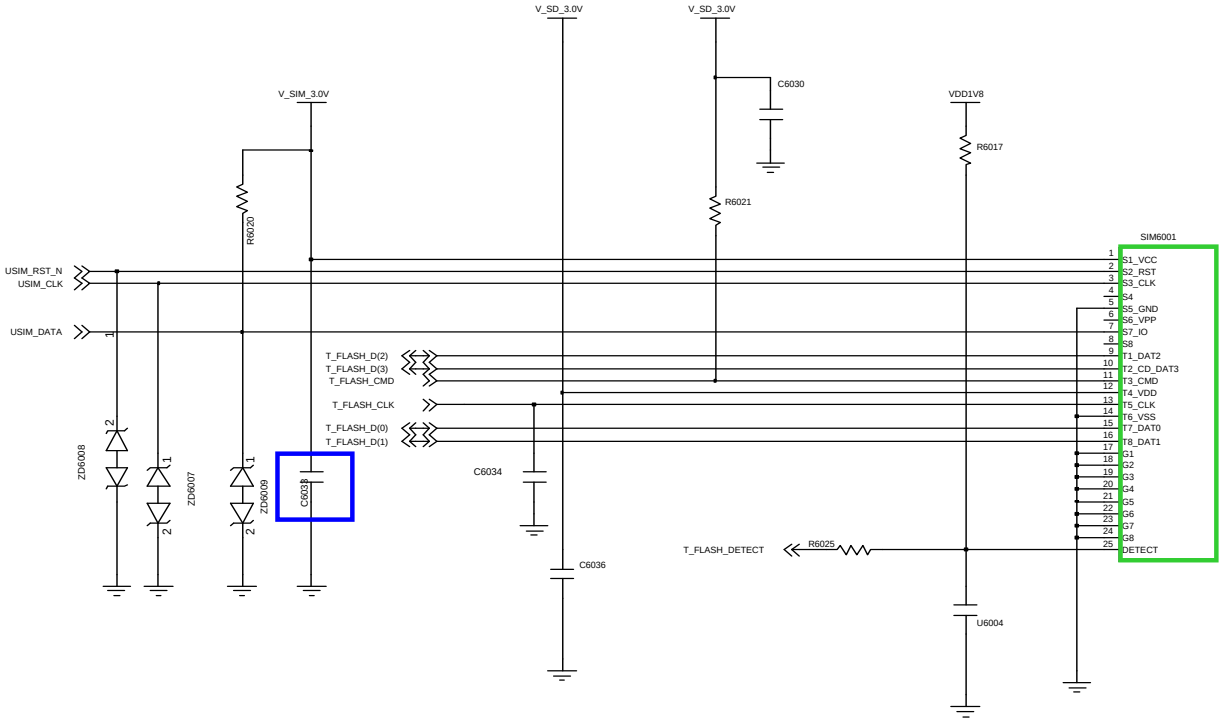
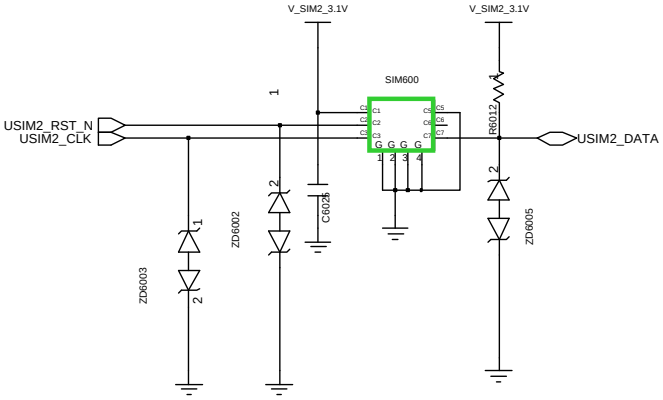


SIM1 / SD Card Connector



SIM2 Connector

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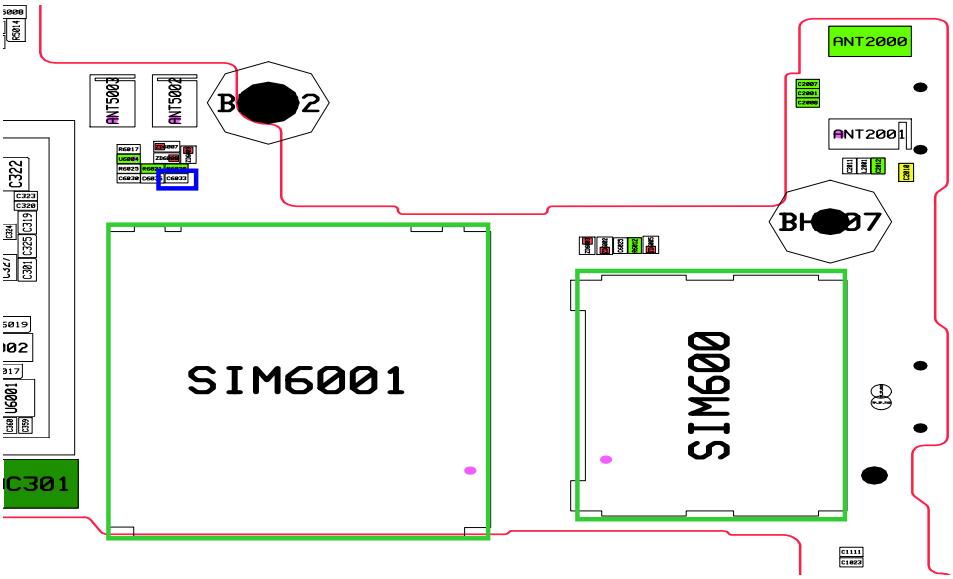

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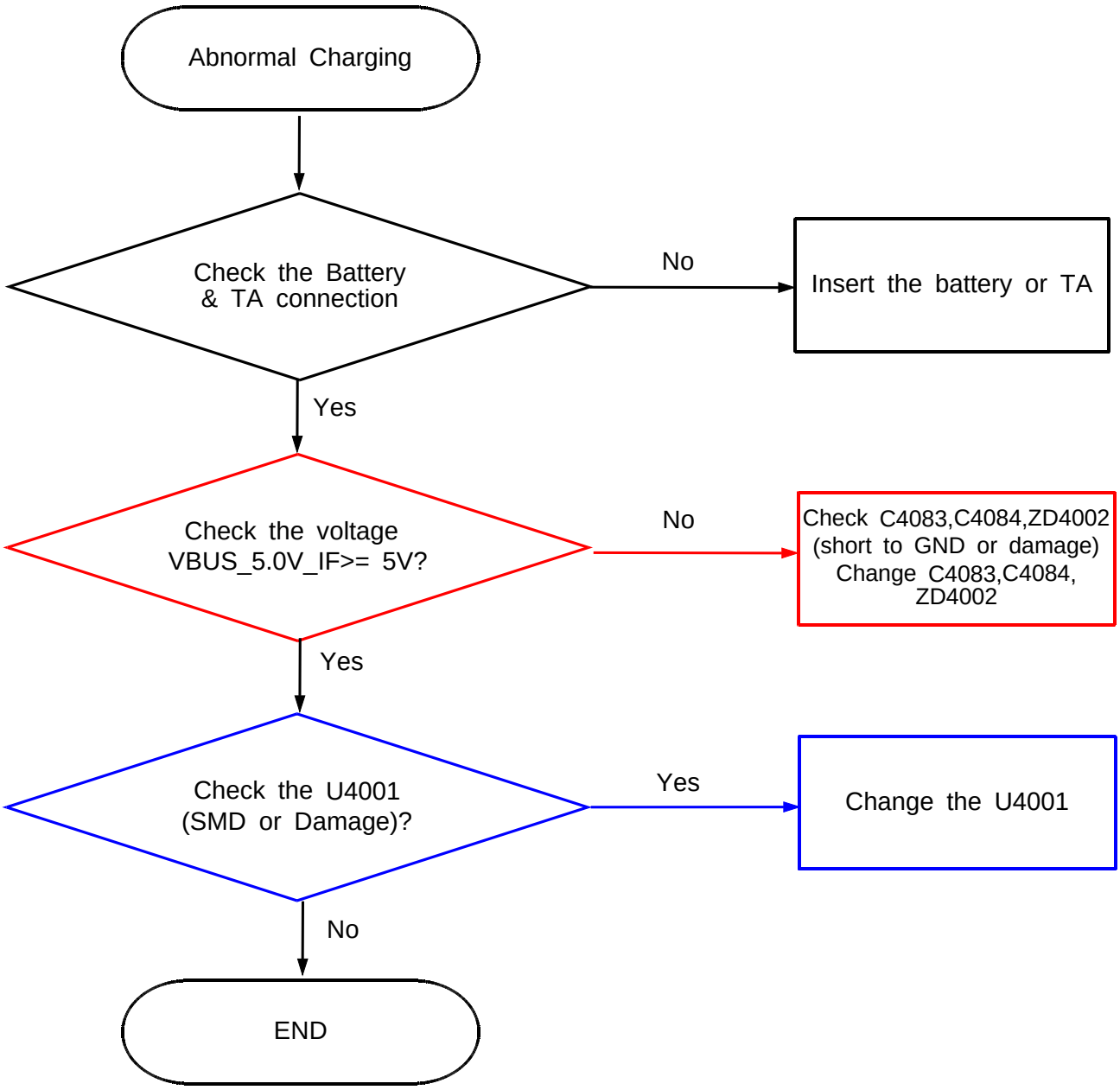
8-3-5. Charging part



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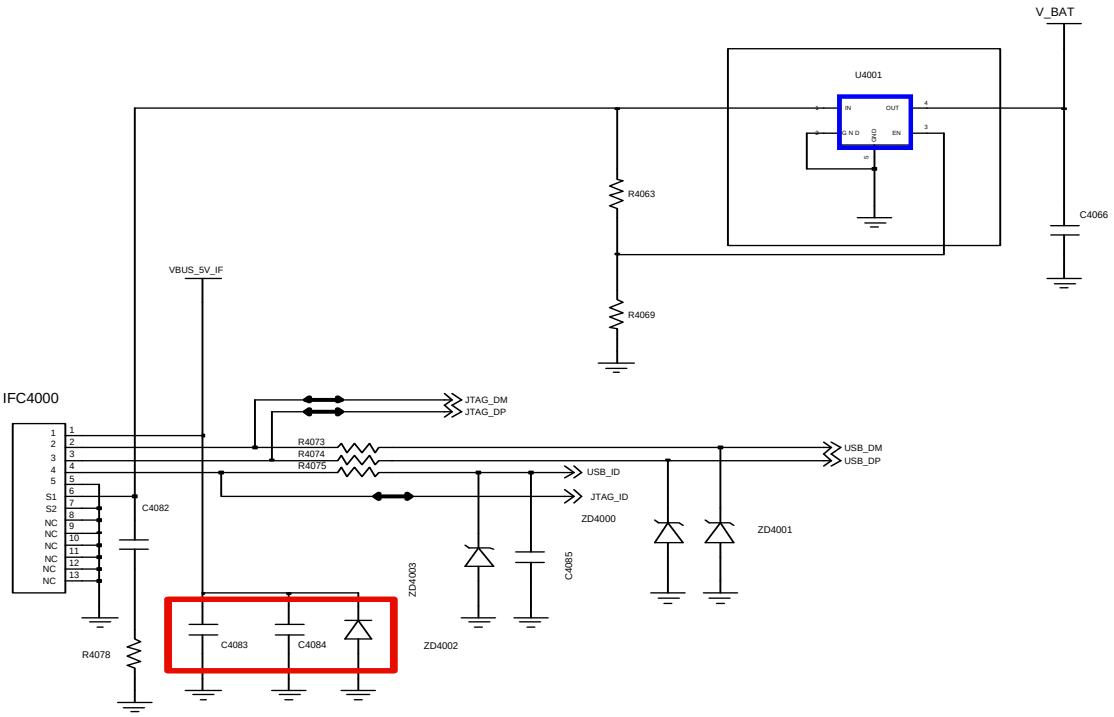
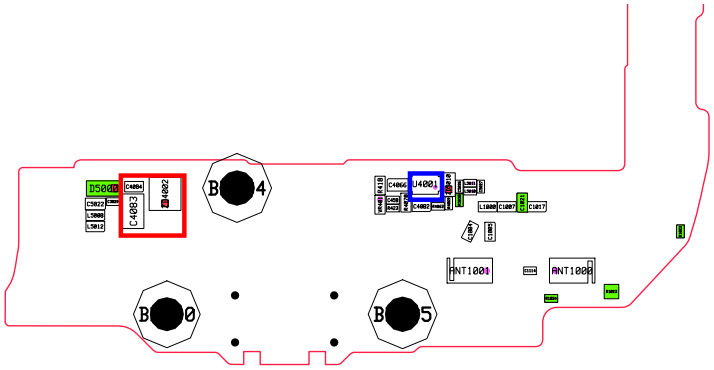


IF Connector(u-USB)



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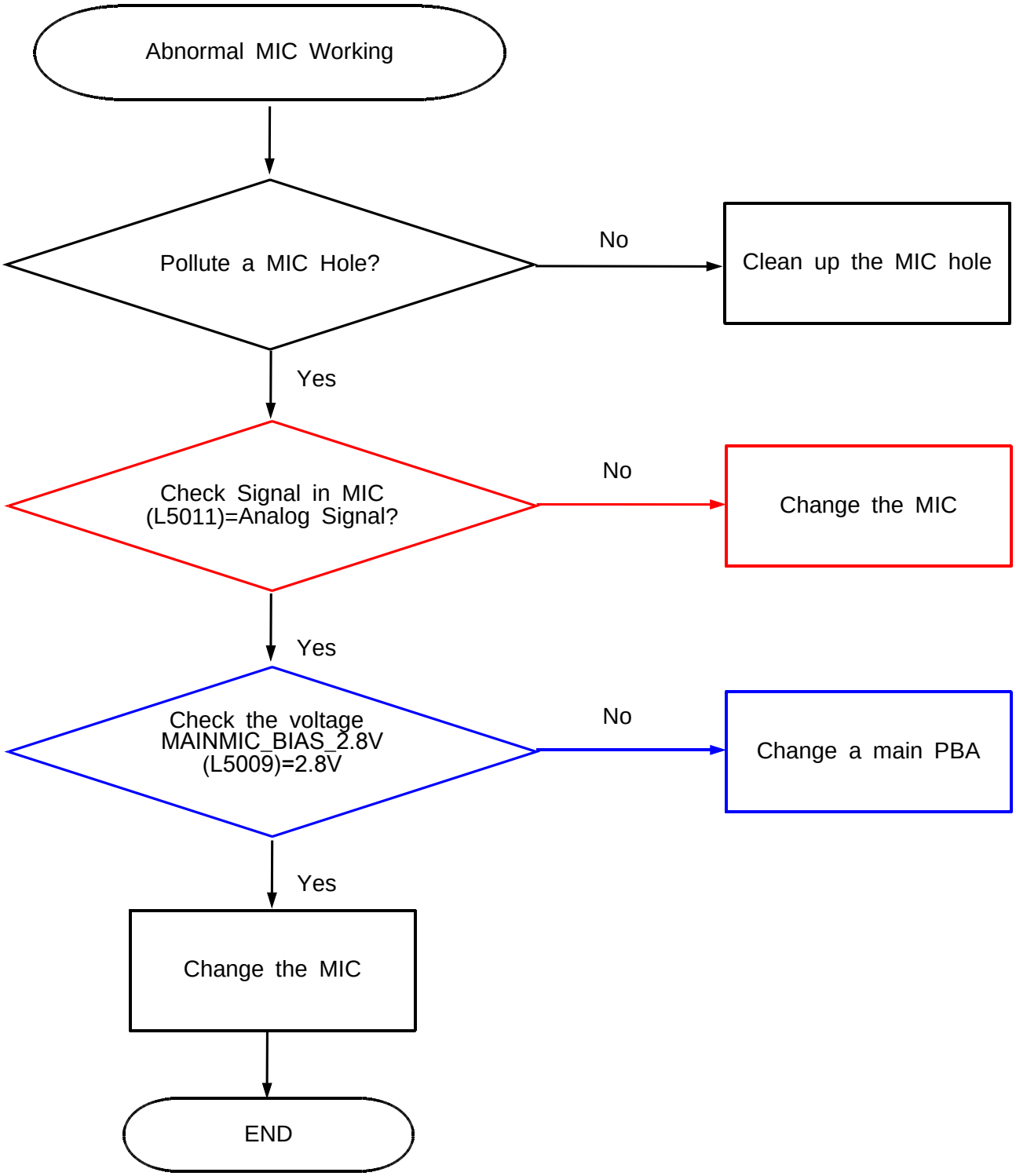
8-3-6. Microphone Part



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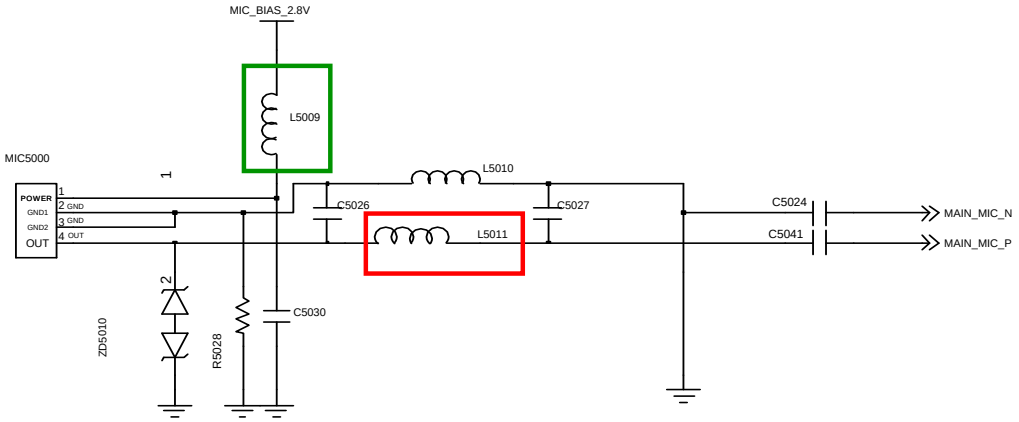
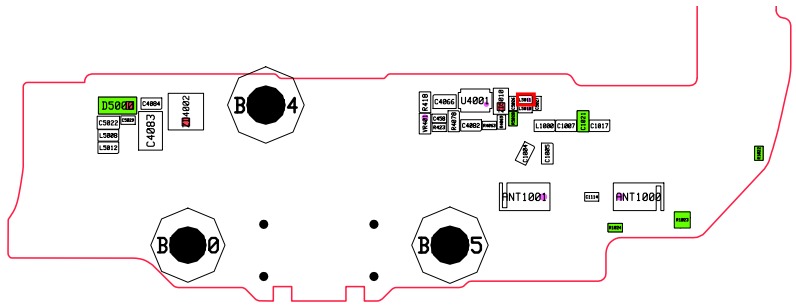
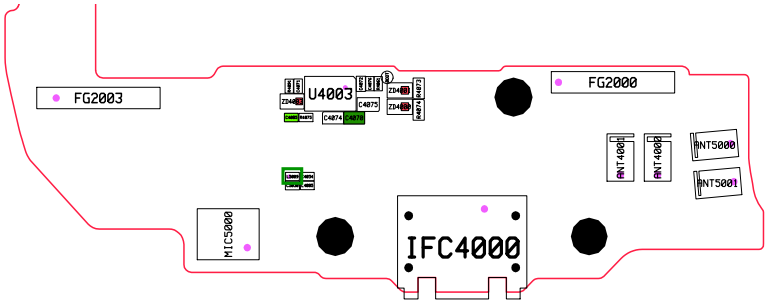


MAIN MIC





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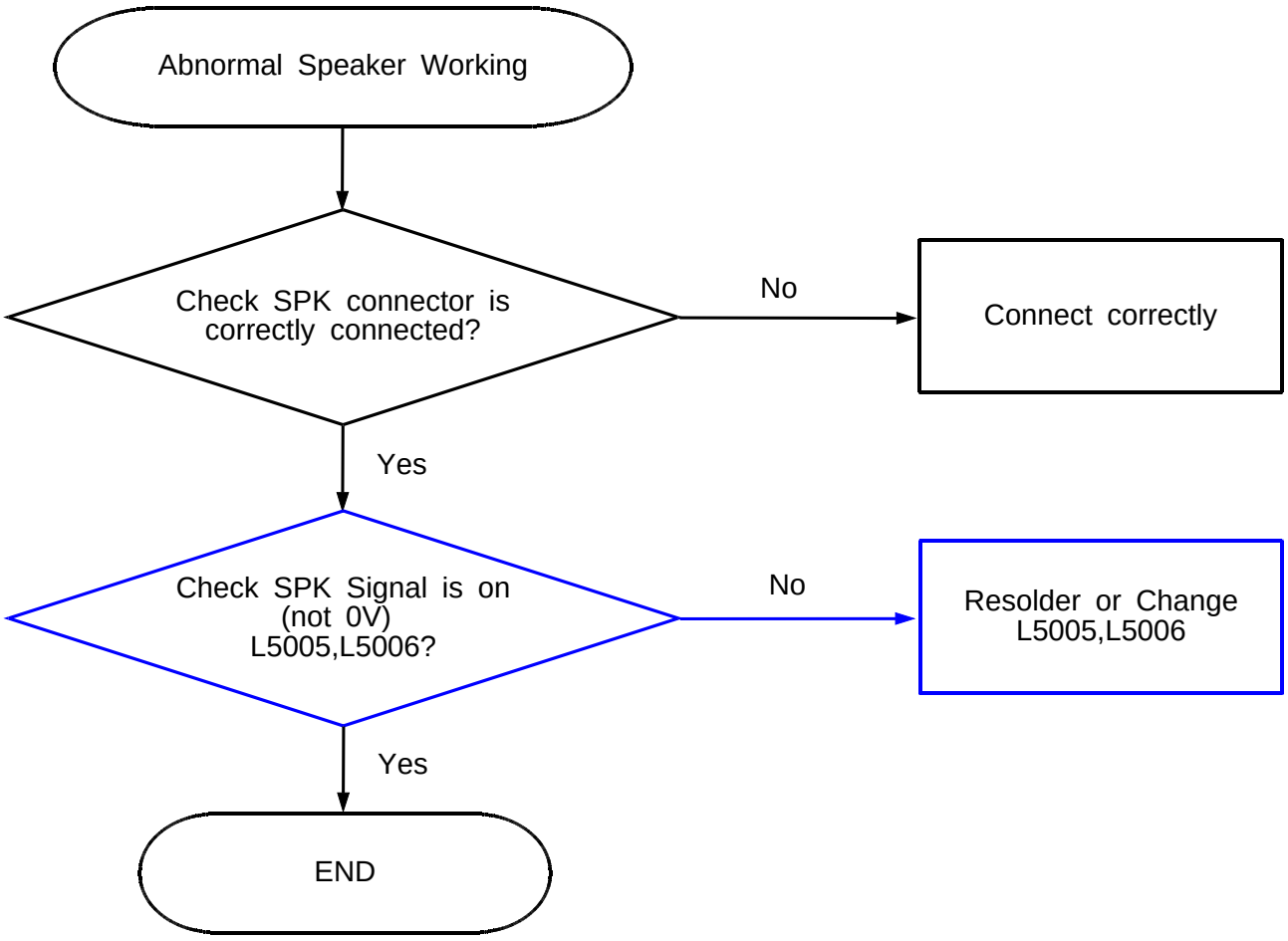
8-3-7. Speaker Part



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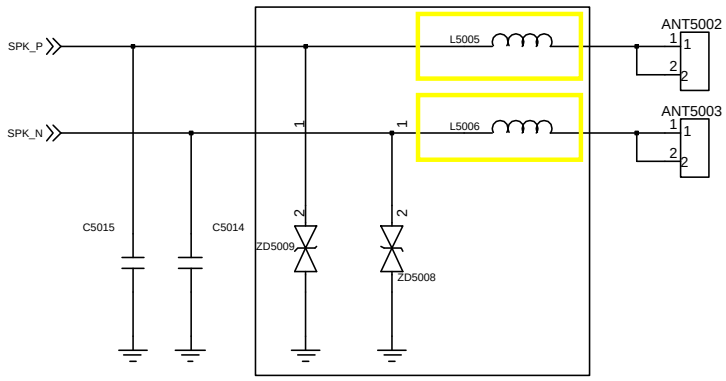
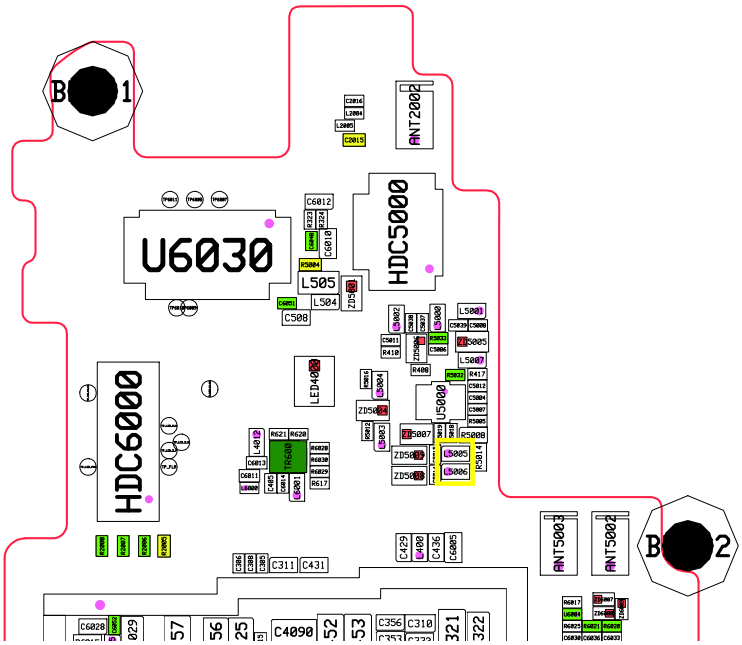


SPK



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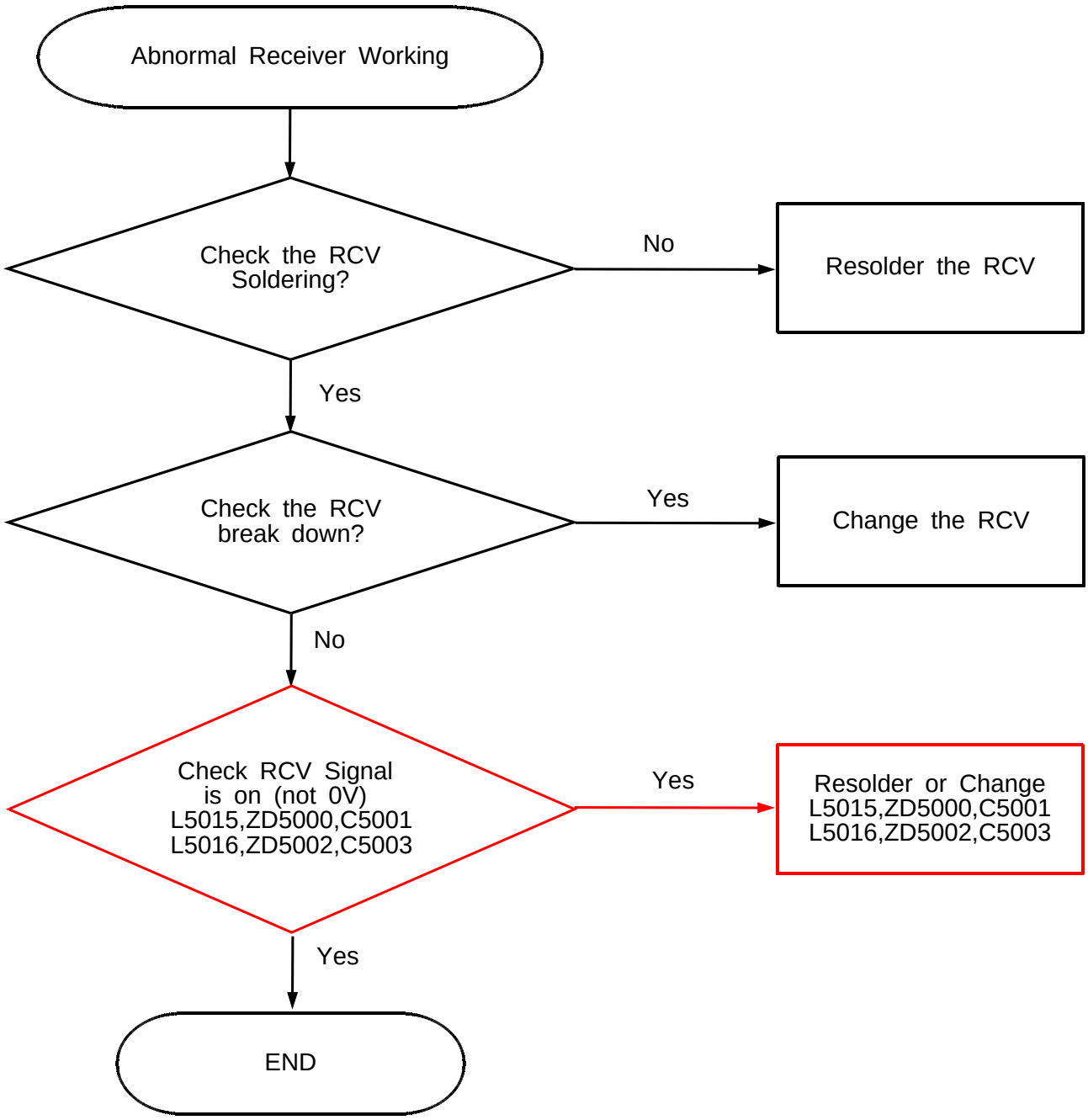
8-3-8. Receiver Part



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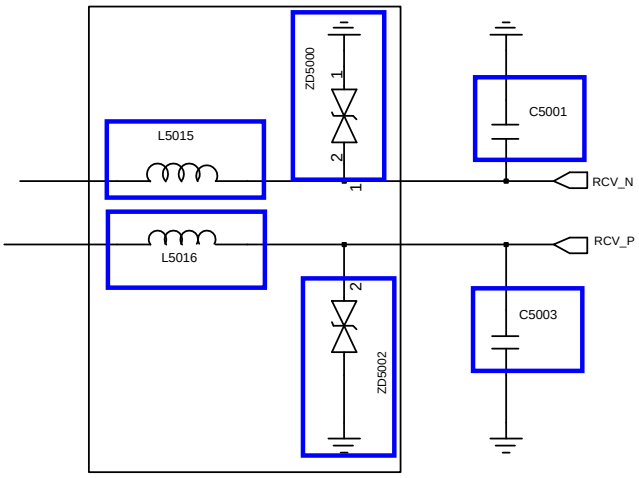

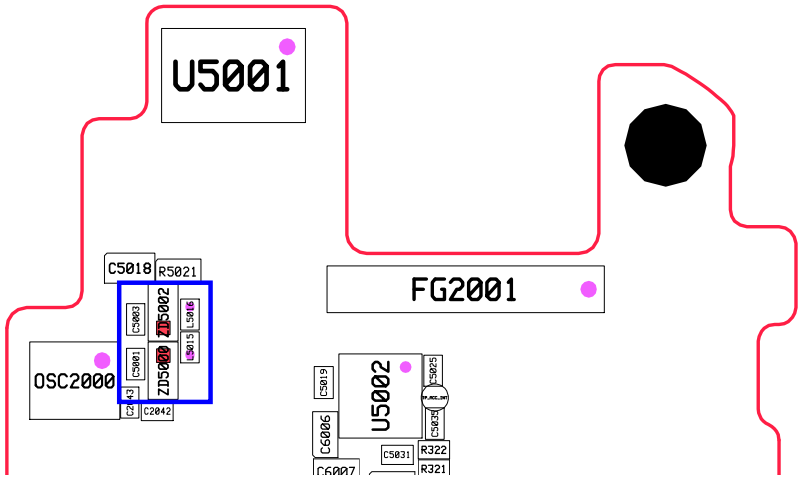

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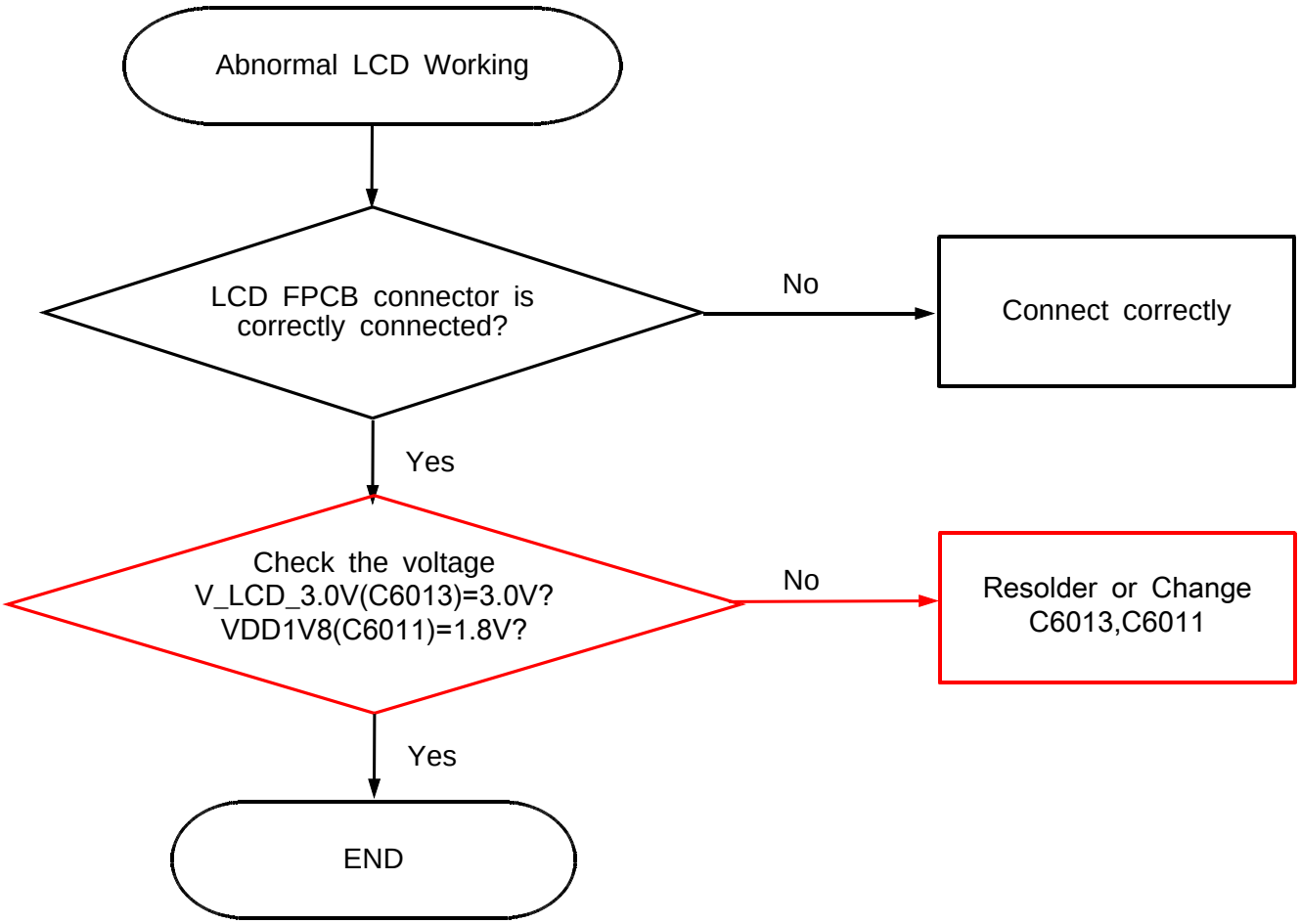
8-3-9. LCD Working



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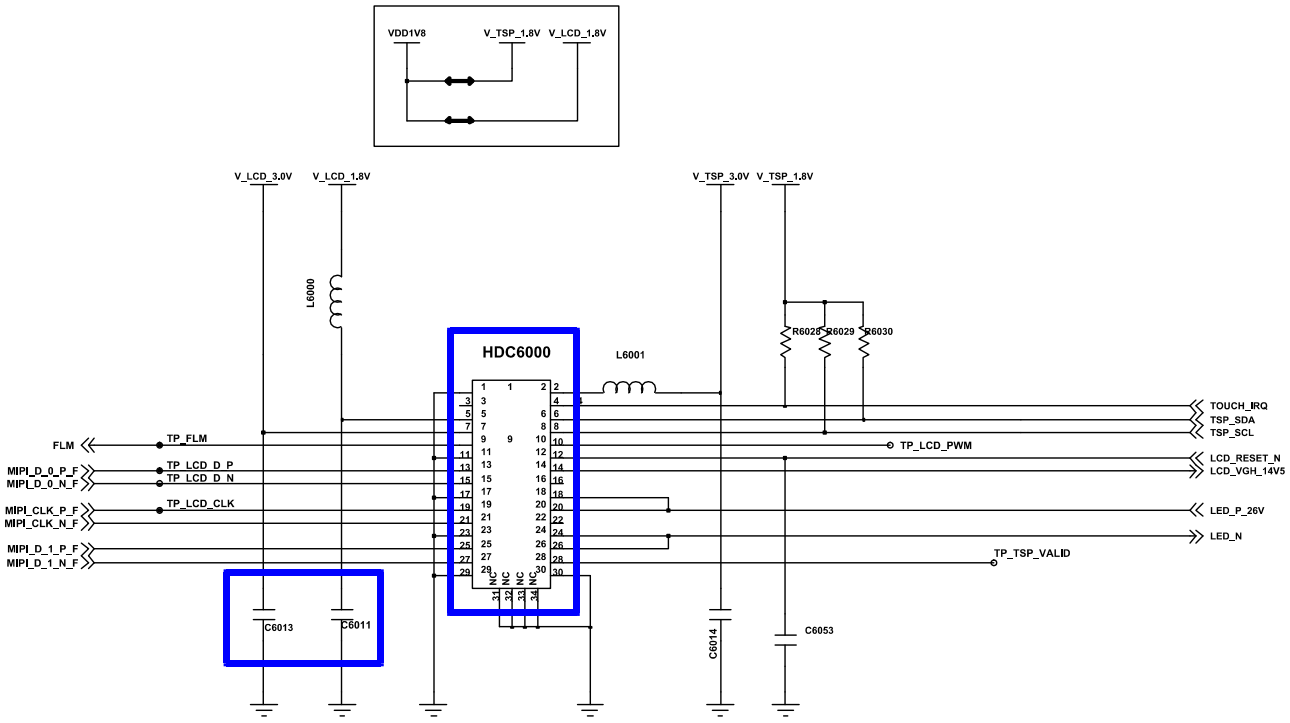
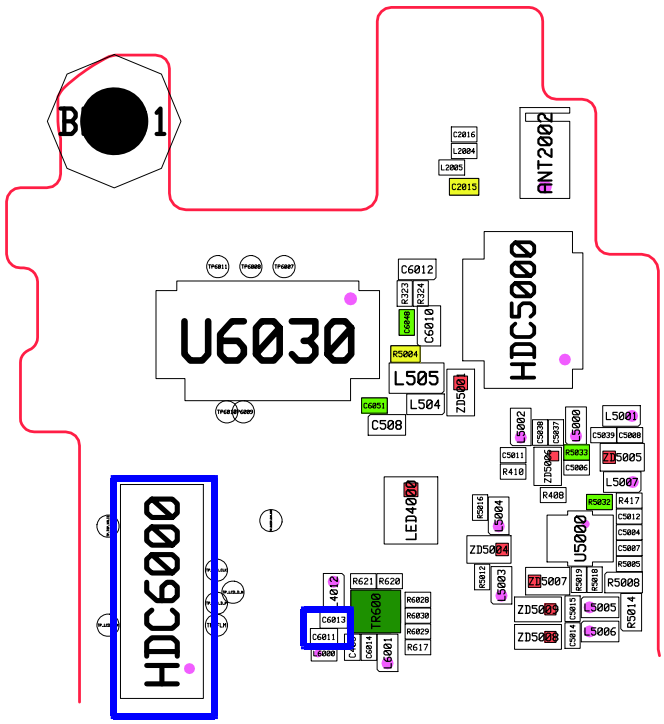


LCD CON[4.5" PLS]



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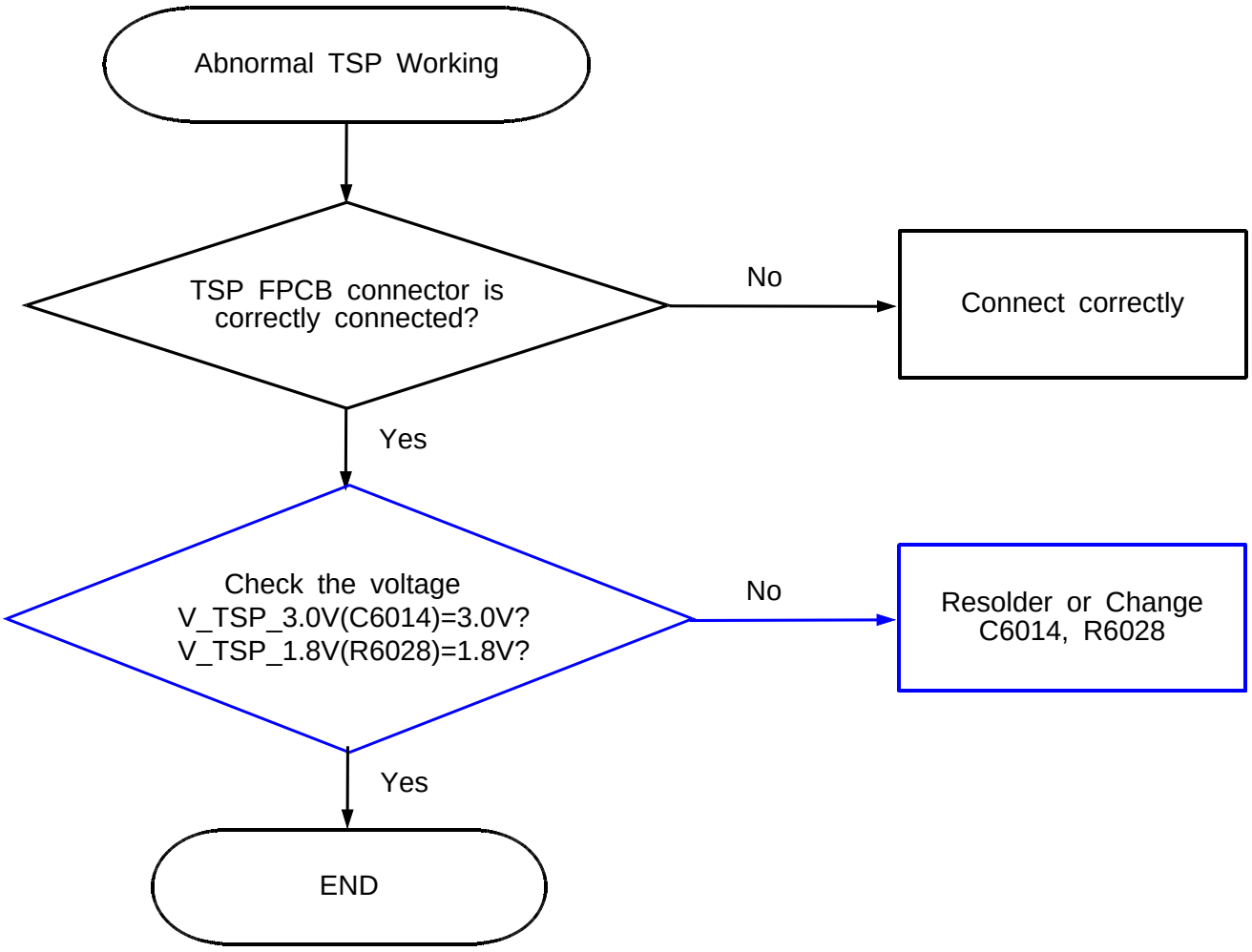
8-3-10. TSP Working



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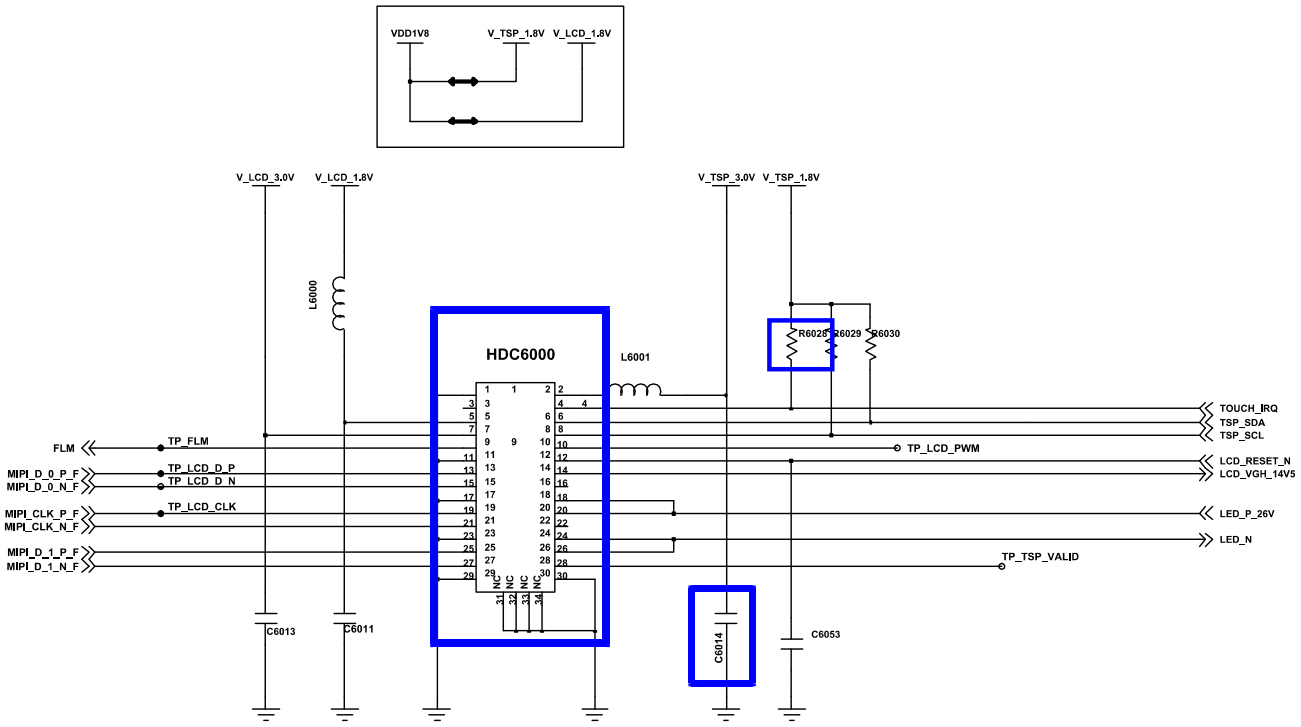
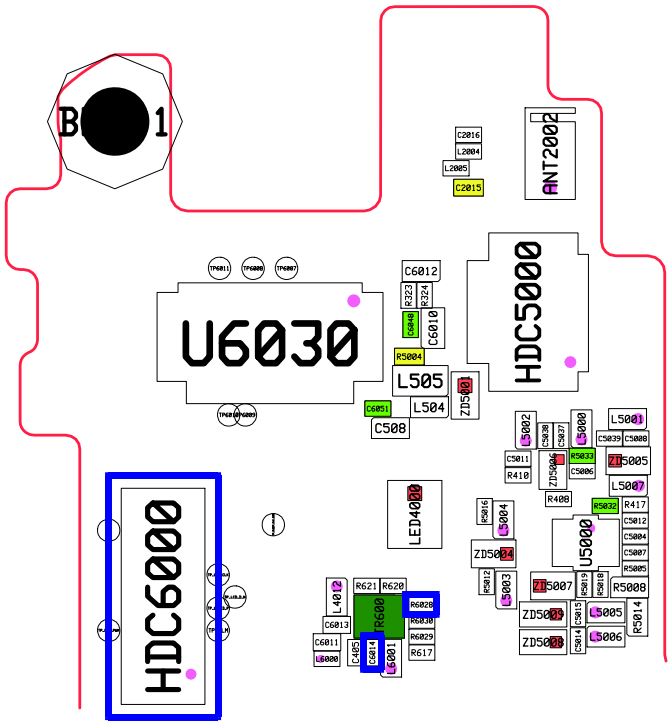


LCD CON[4.5" PLS]



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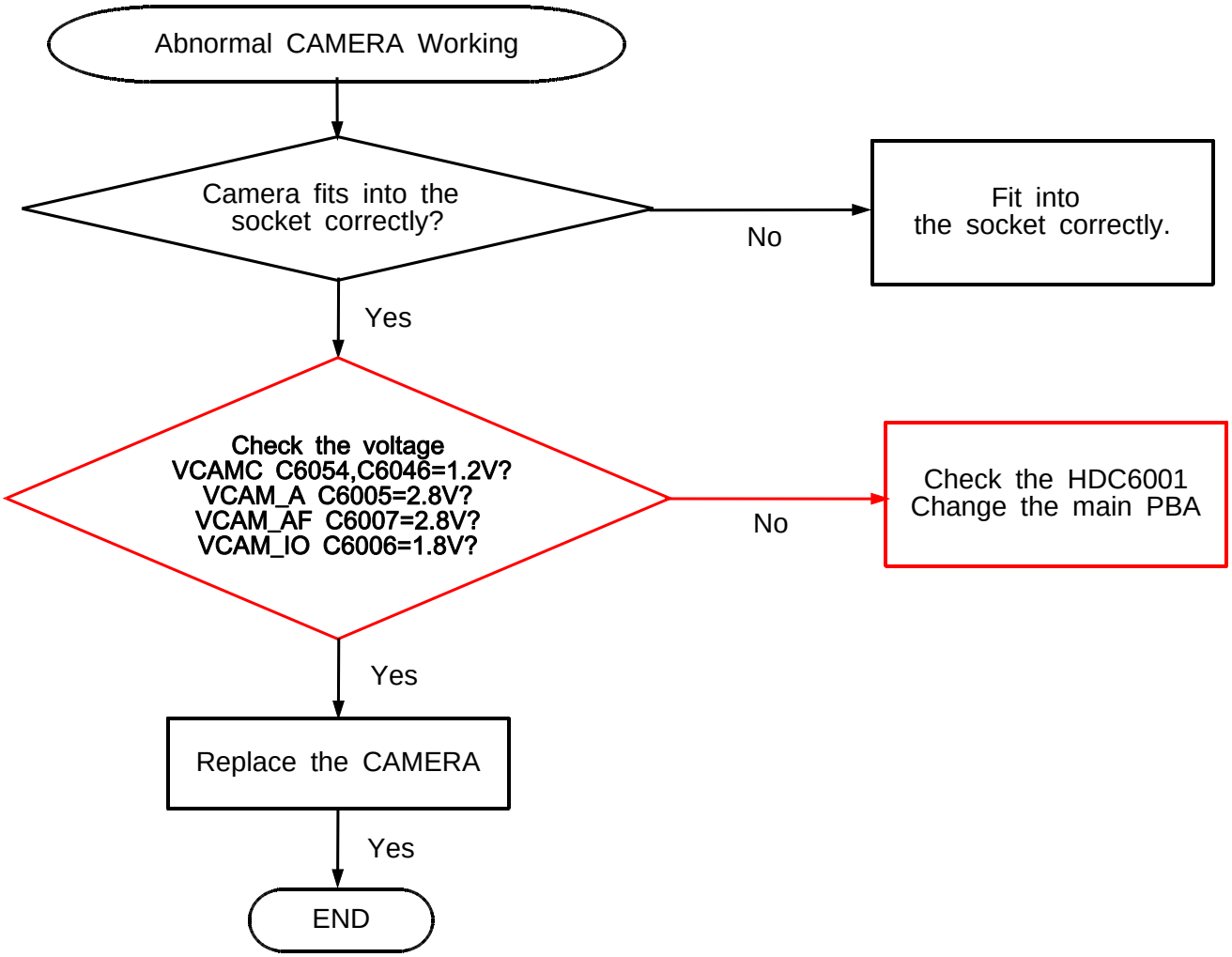
8-3-11 5M CAM



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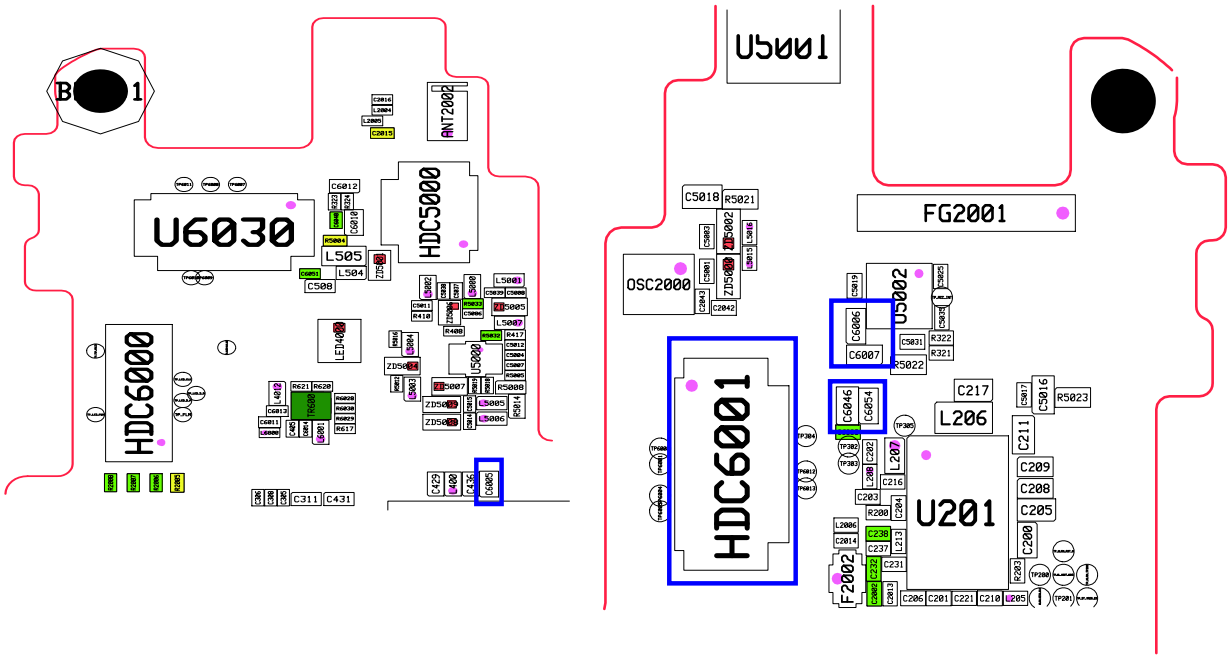

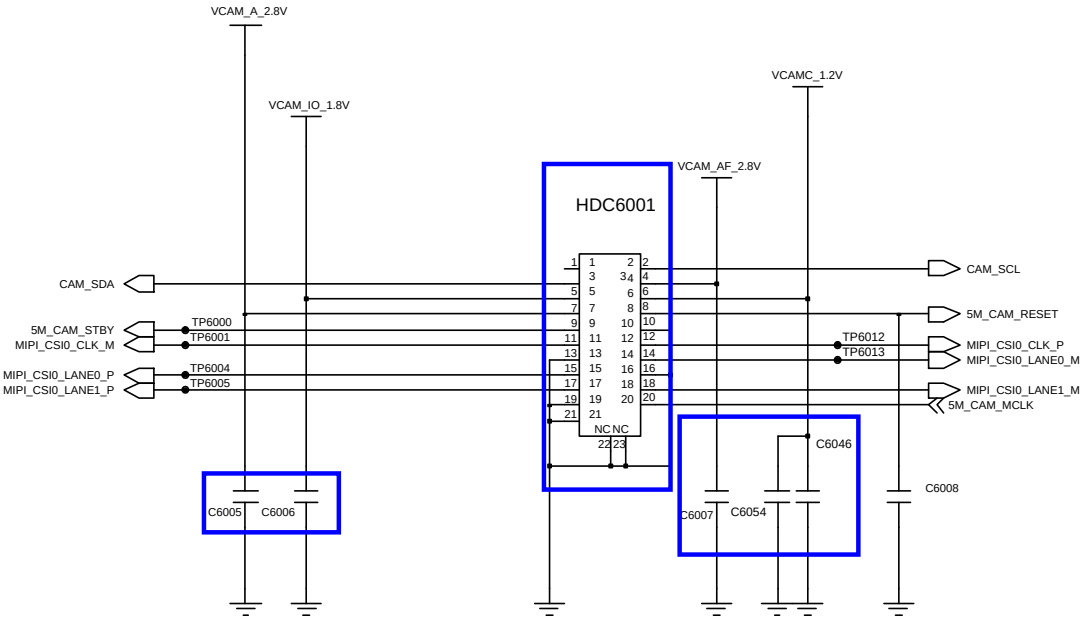

5M CAM [Soc. type]

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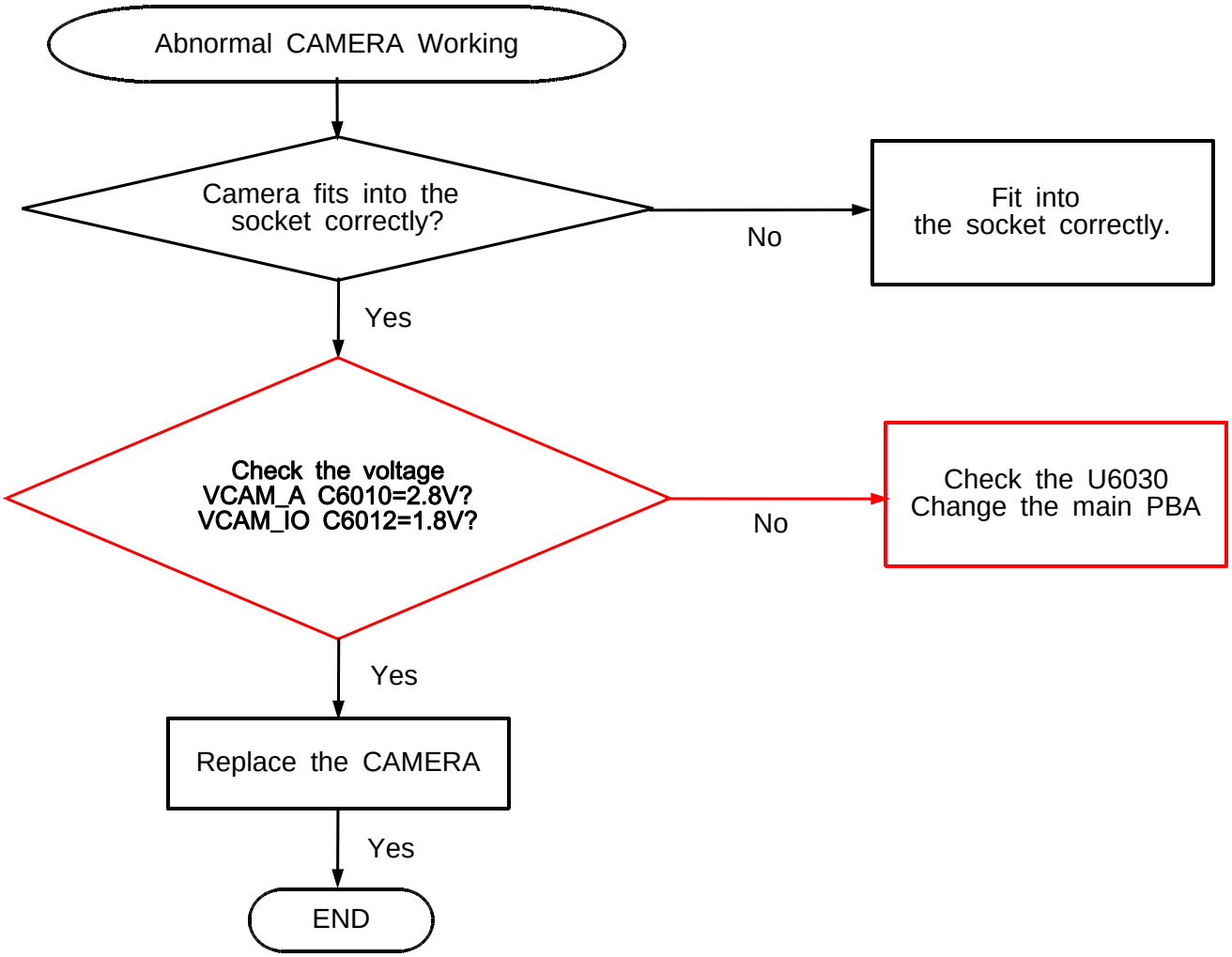
8-3-12 2M CAM



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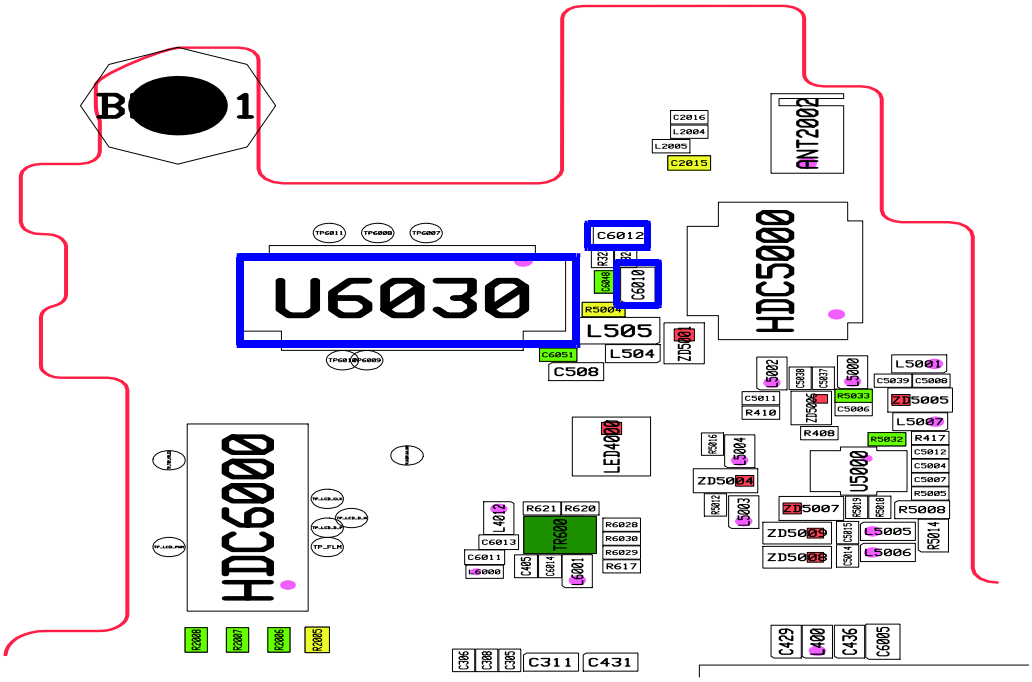

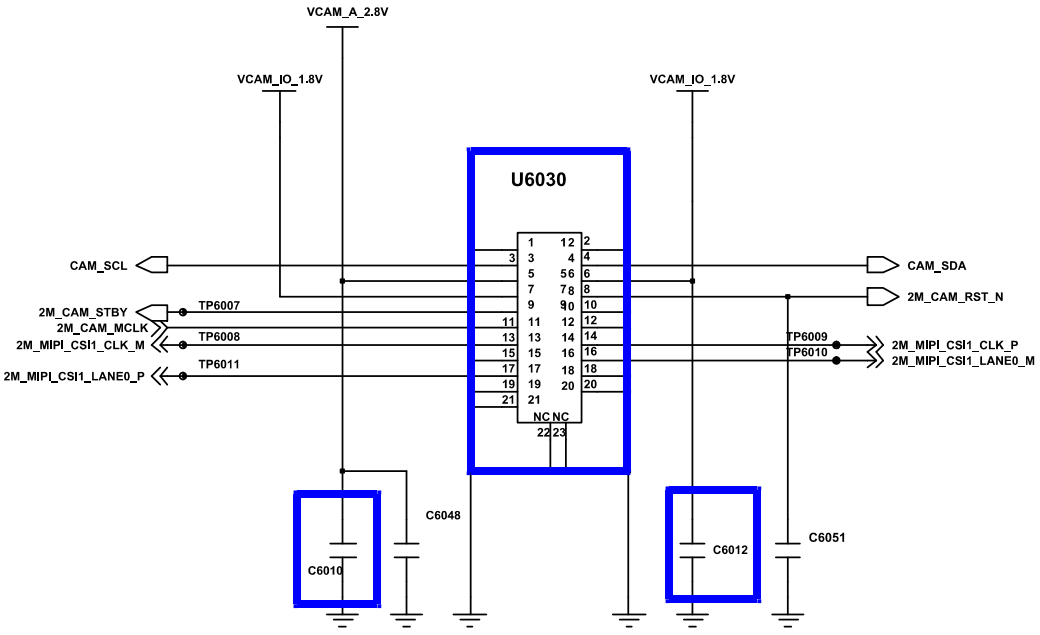

2M CAM

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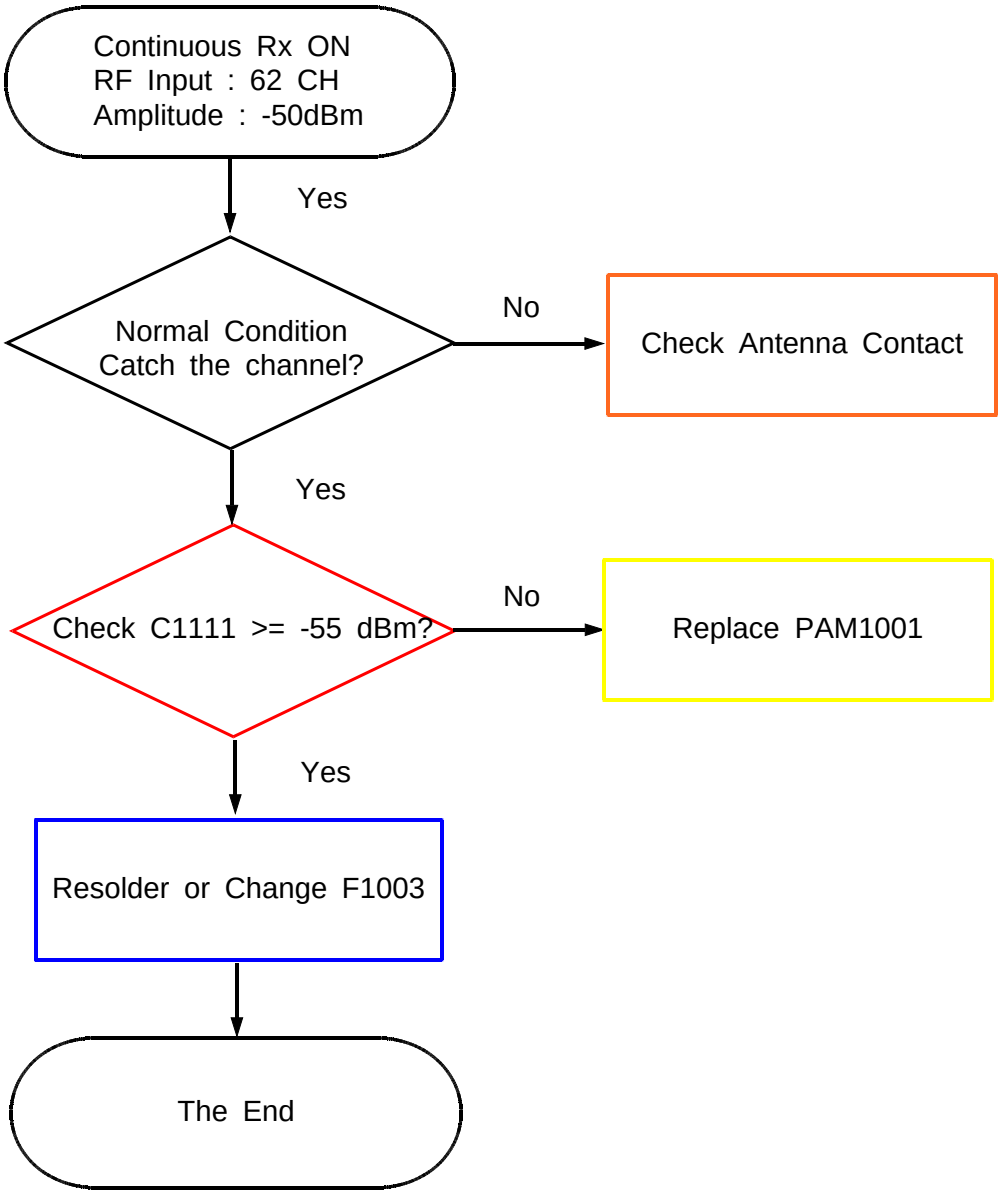
8-3-13. GSM850 RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



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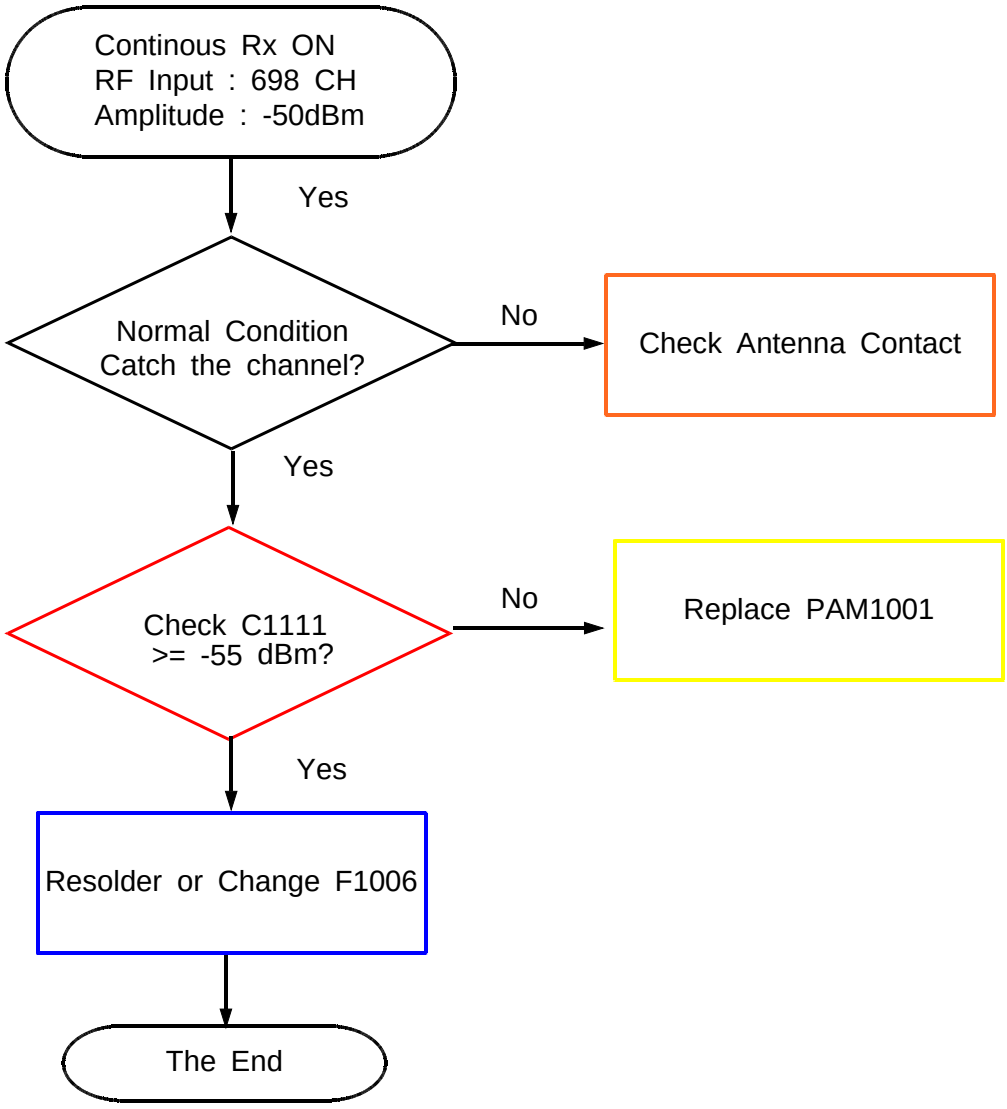
8-3-14. DCS/PCS RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



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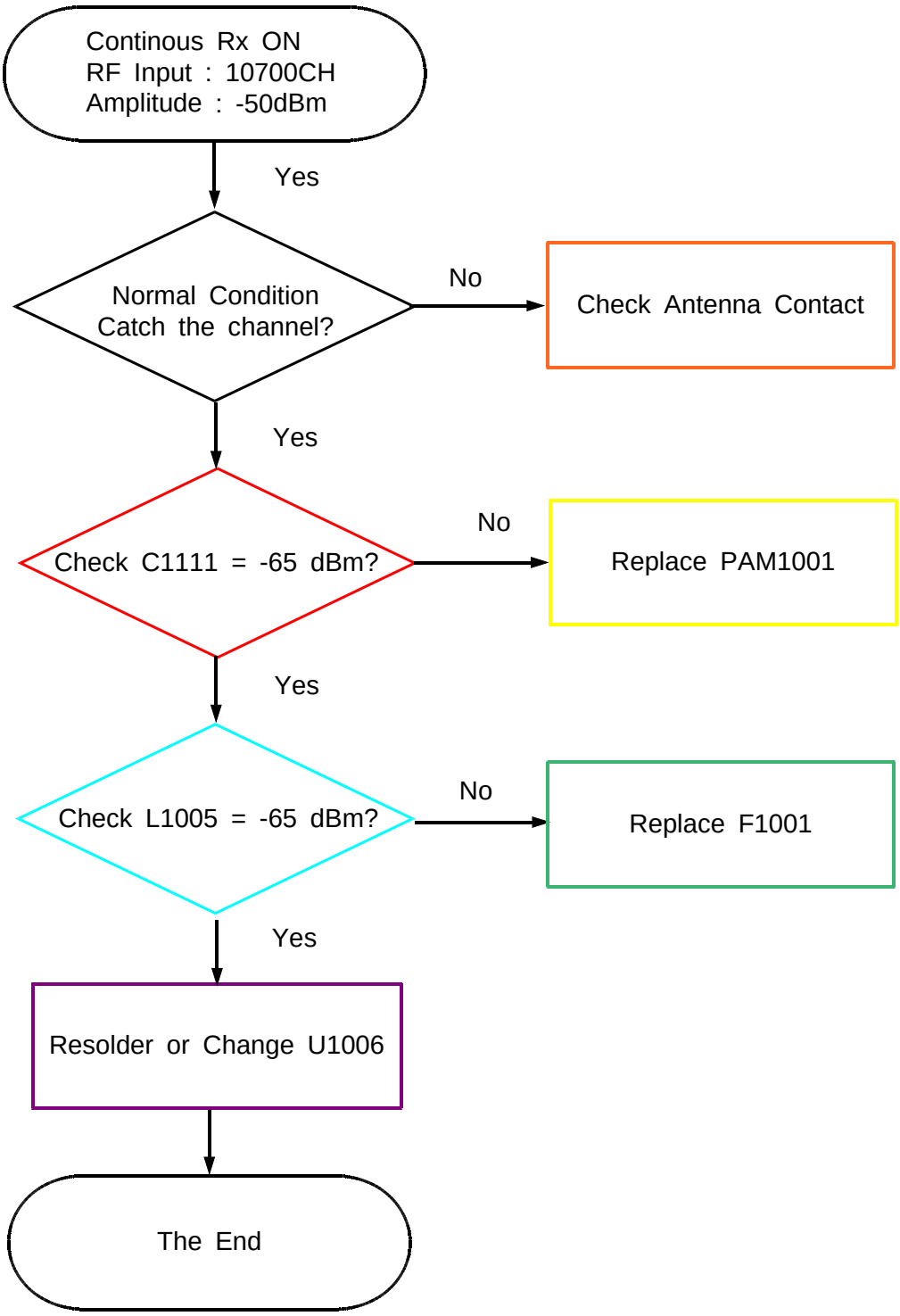
8-3-15. WCDMA Band1 RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



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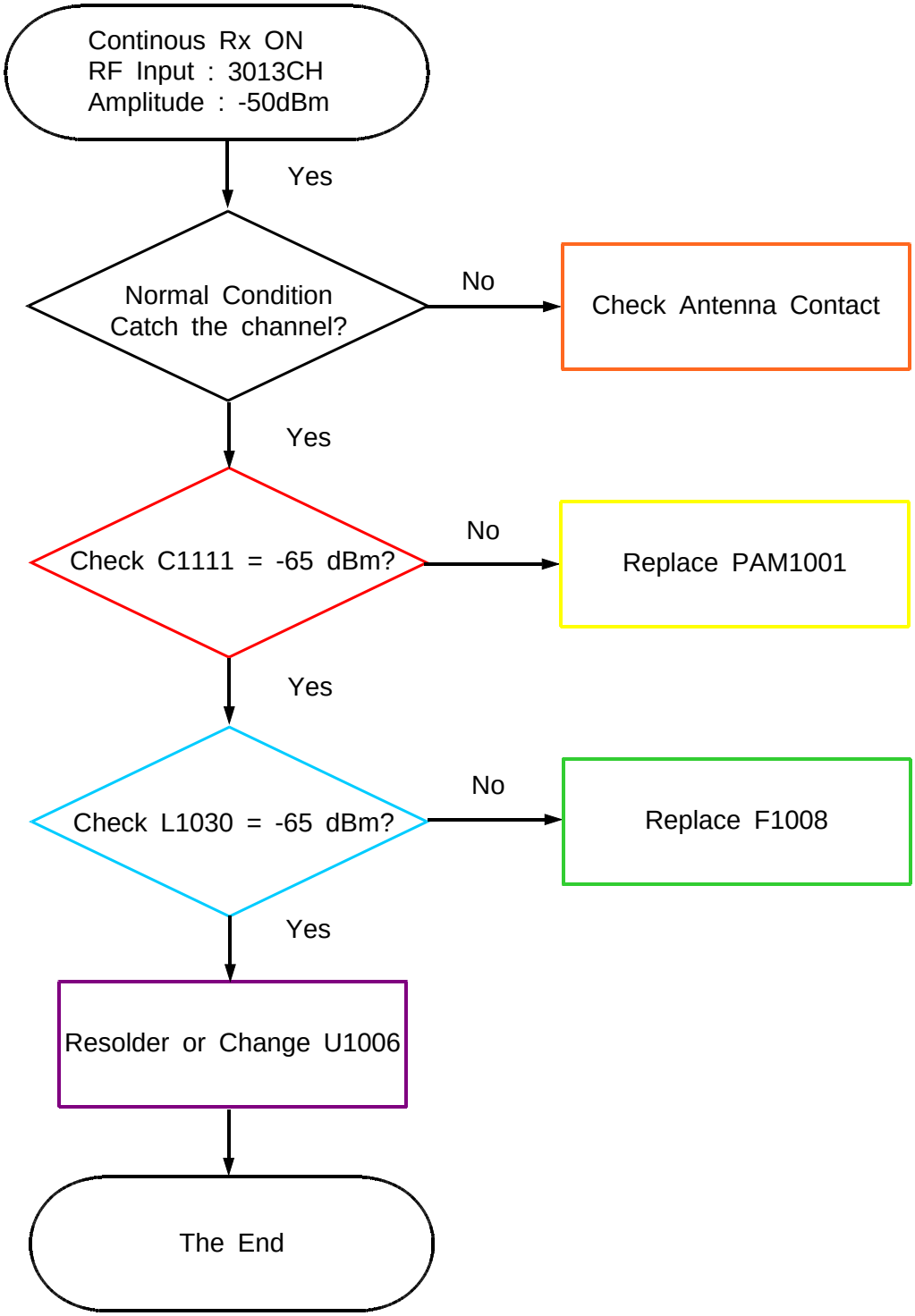
8-3-16. WCDMA Band8 RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



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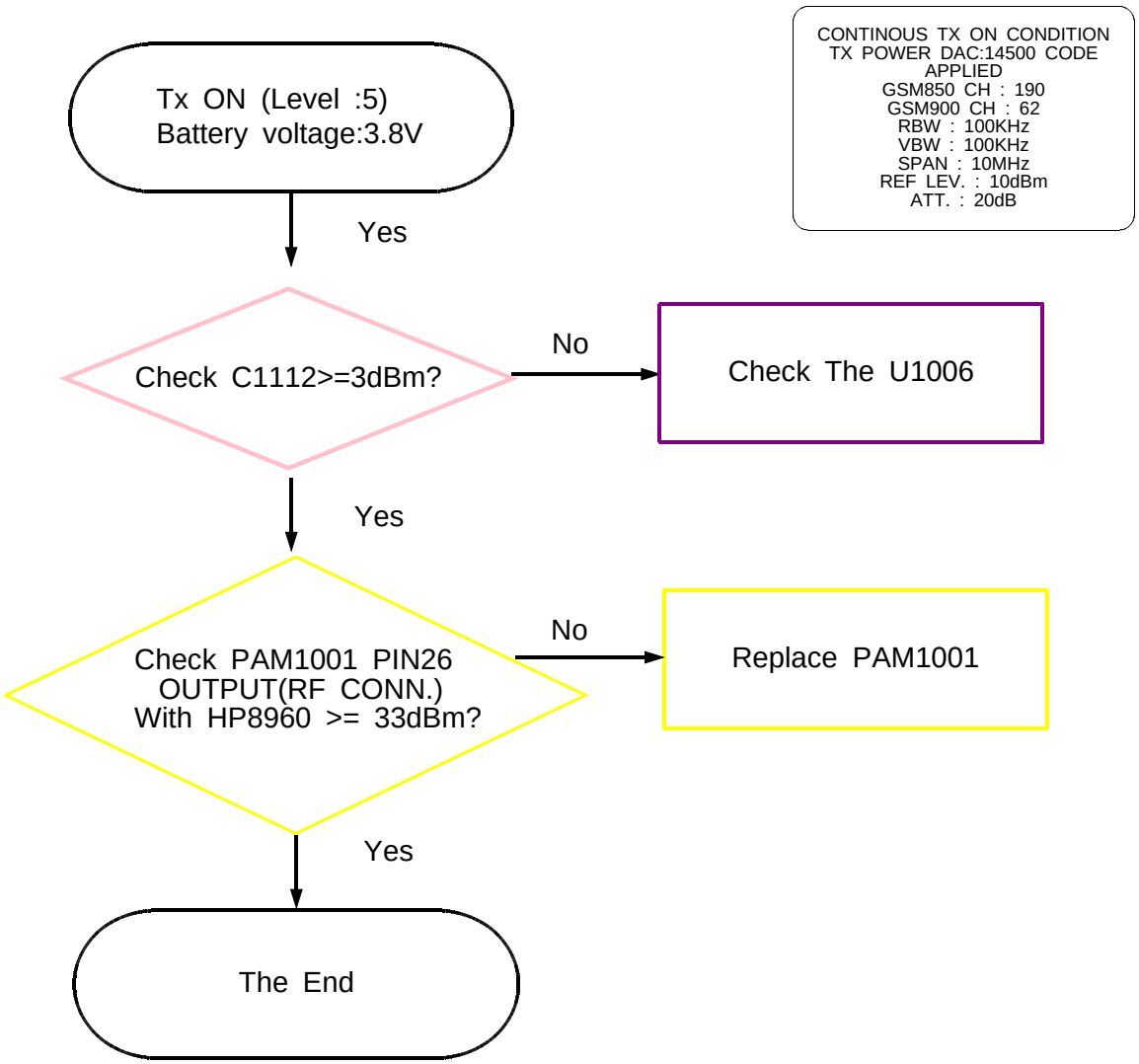
8-3-17. GSM850/900 TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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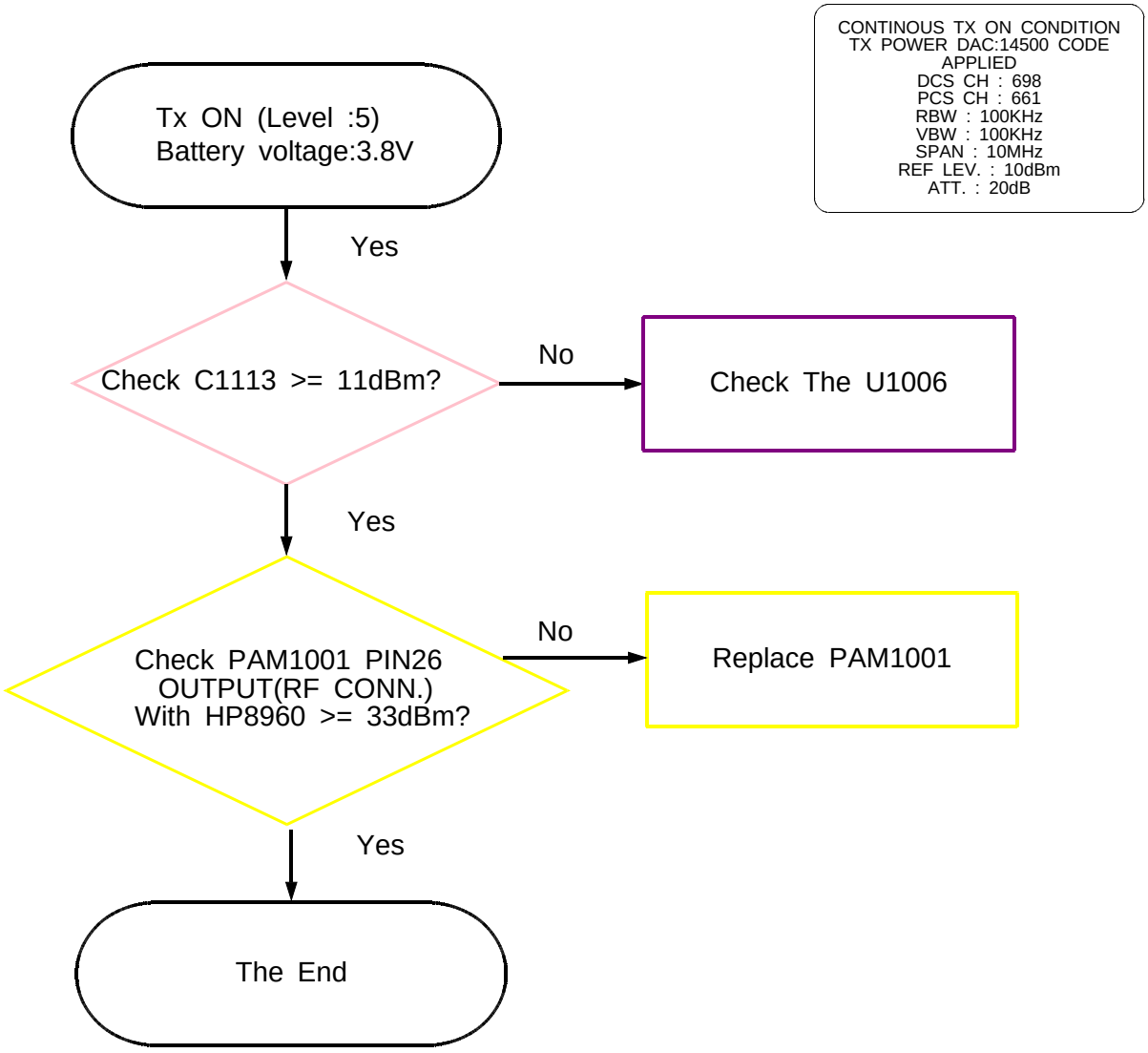
8-3-18. DCS/PCS TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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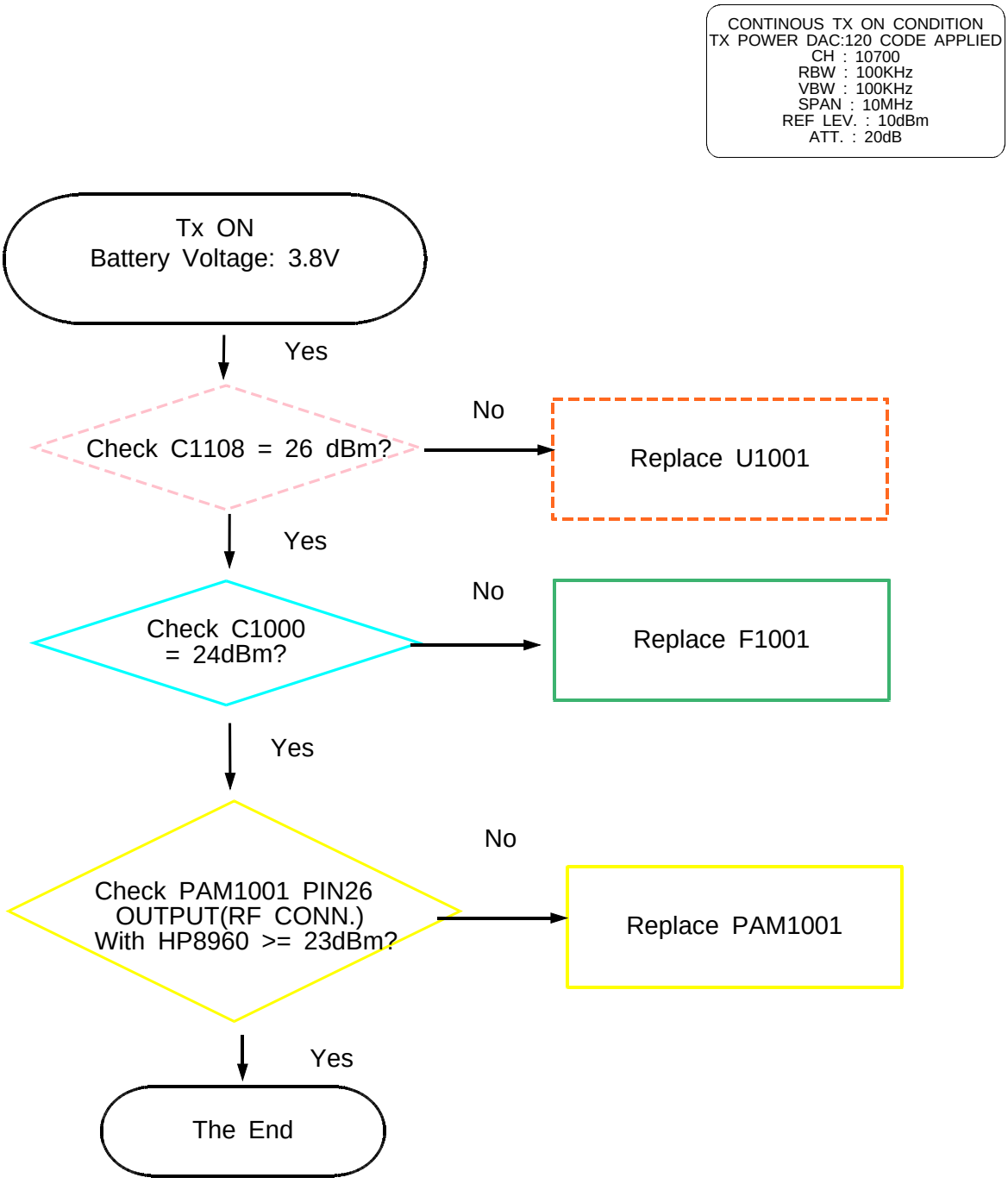
8-3-19. WCDMA Band1 TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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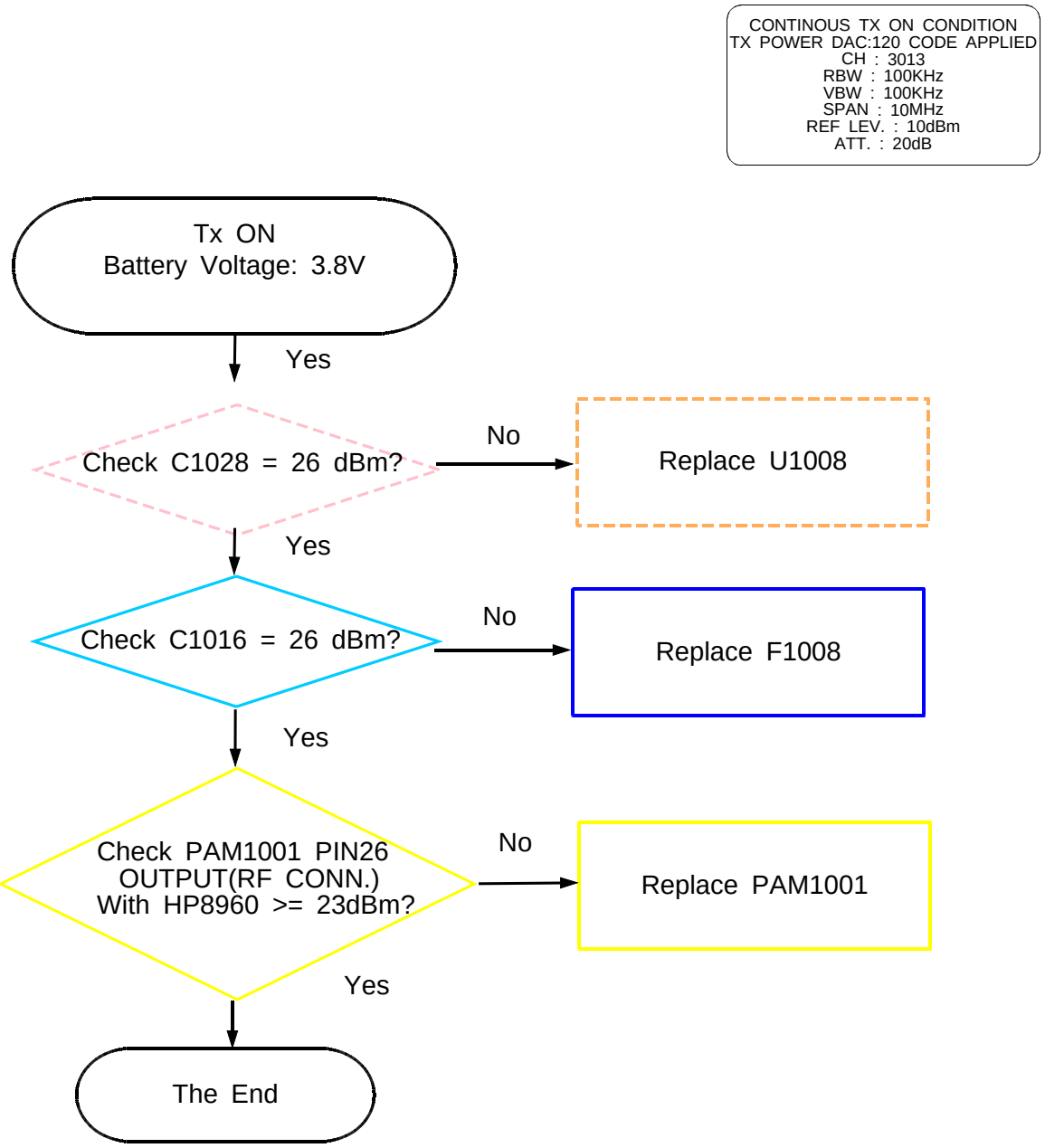
8-3-20. WCDMA Band8 TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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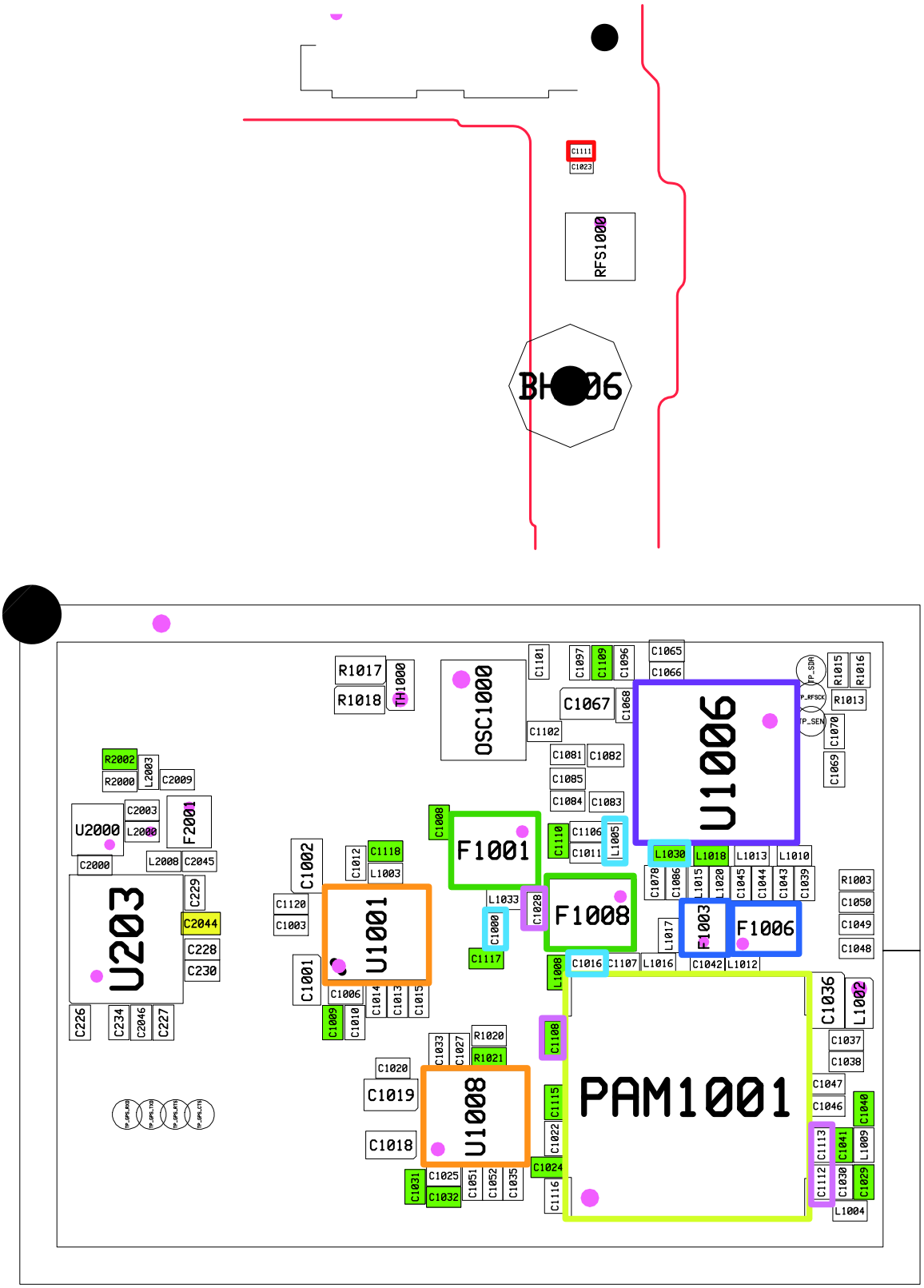

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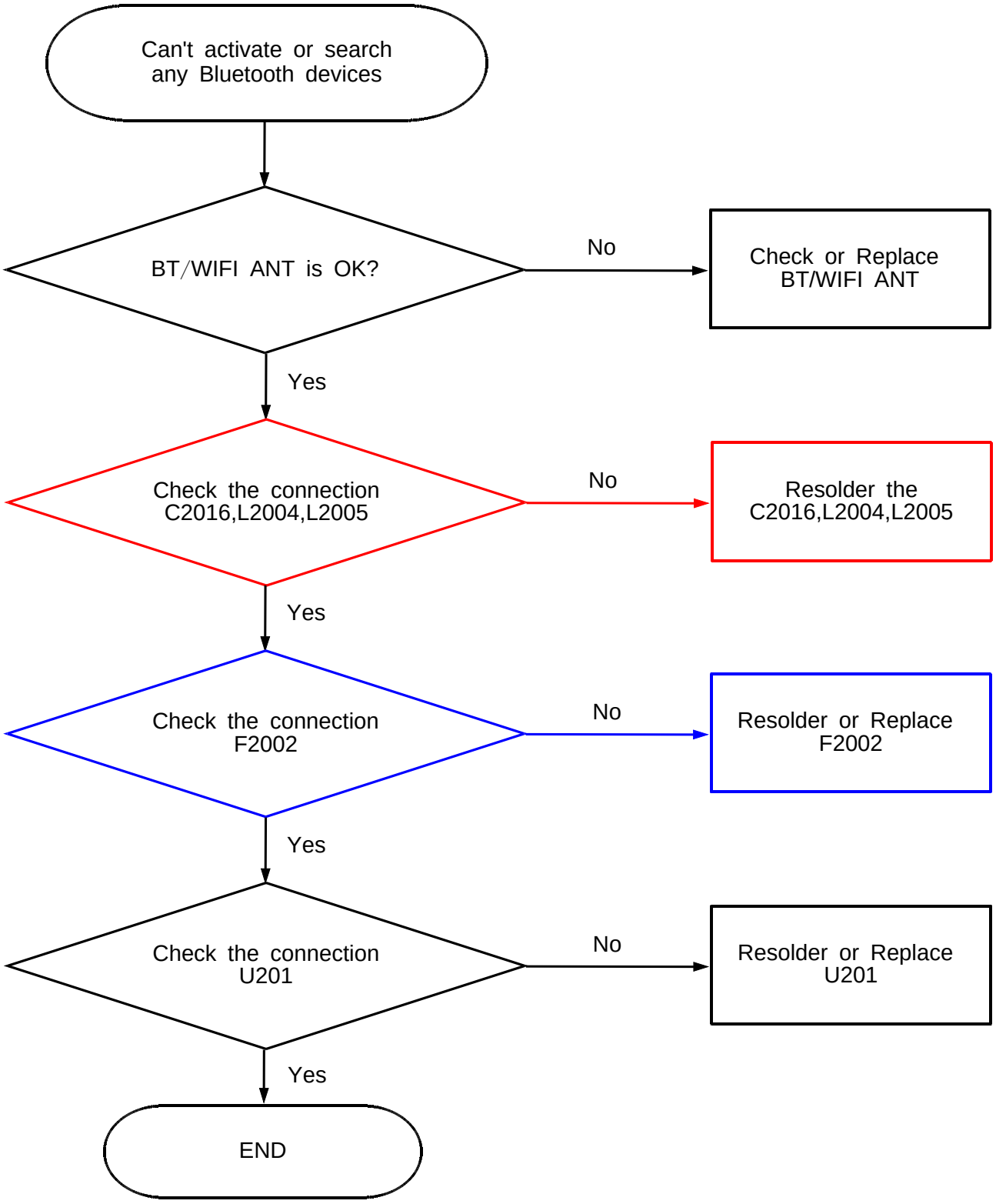
8-3-21. Bluetooth/WIFI



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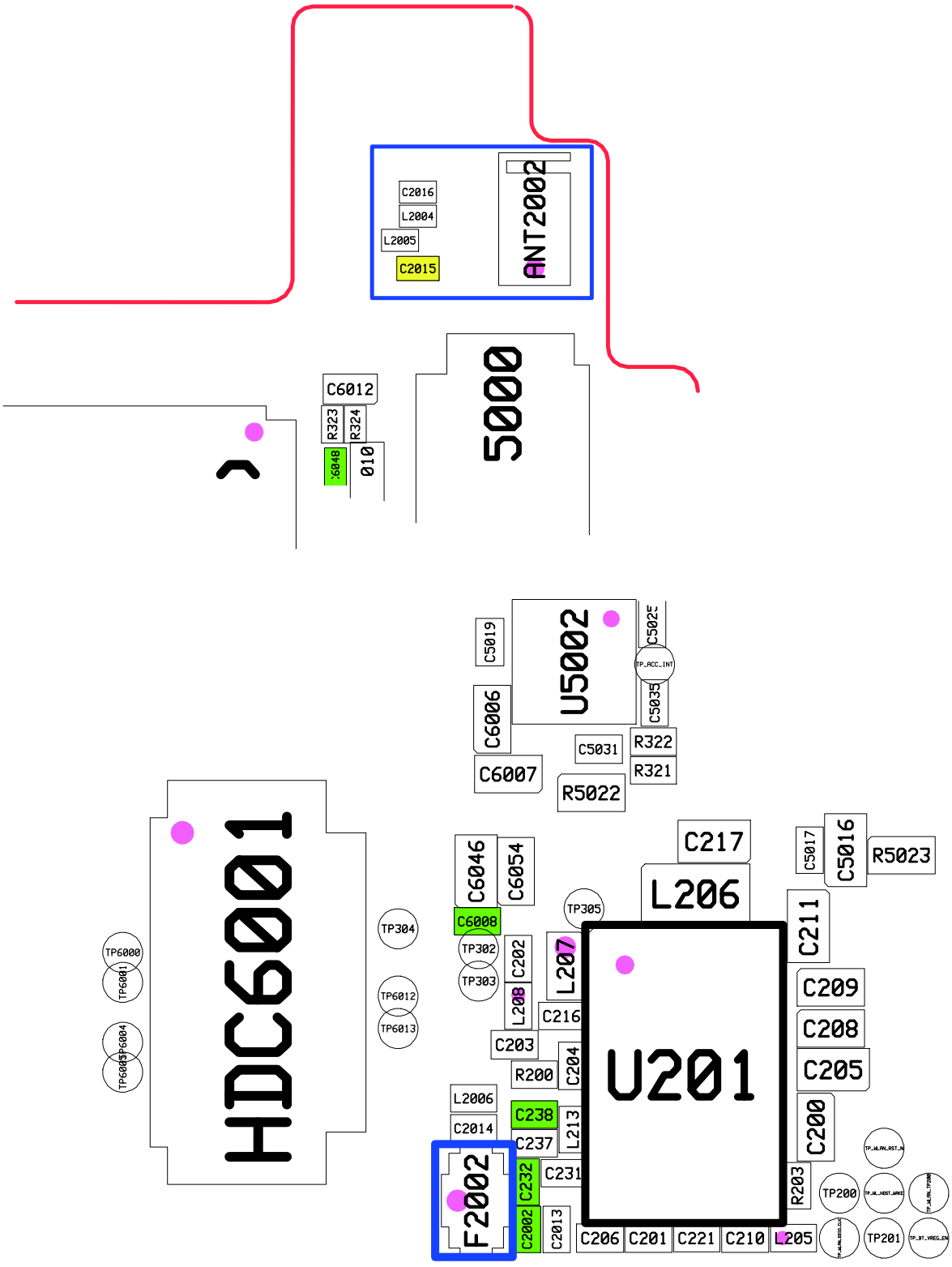

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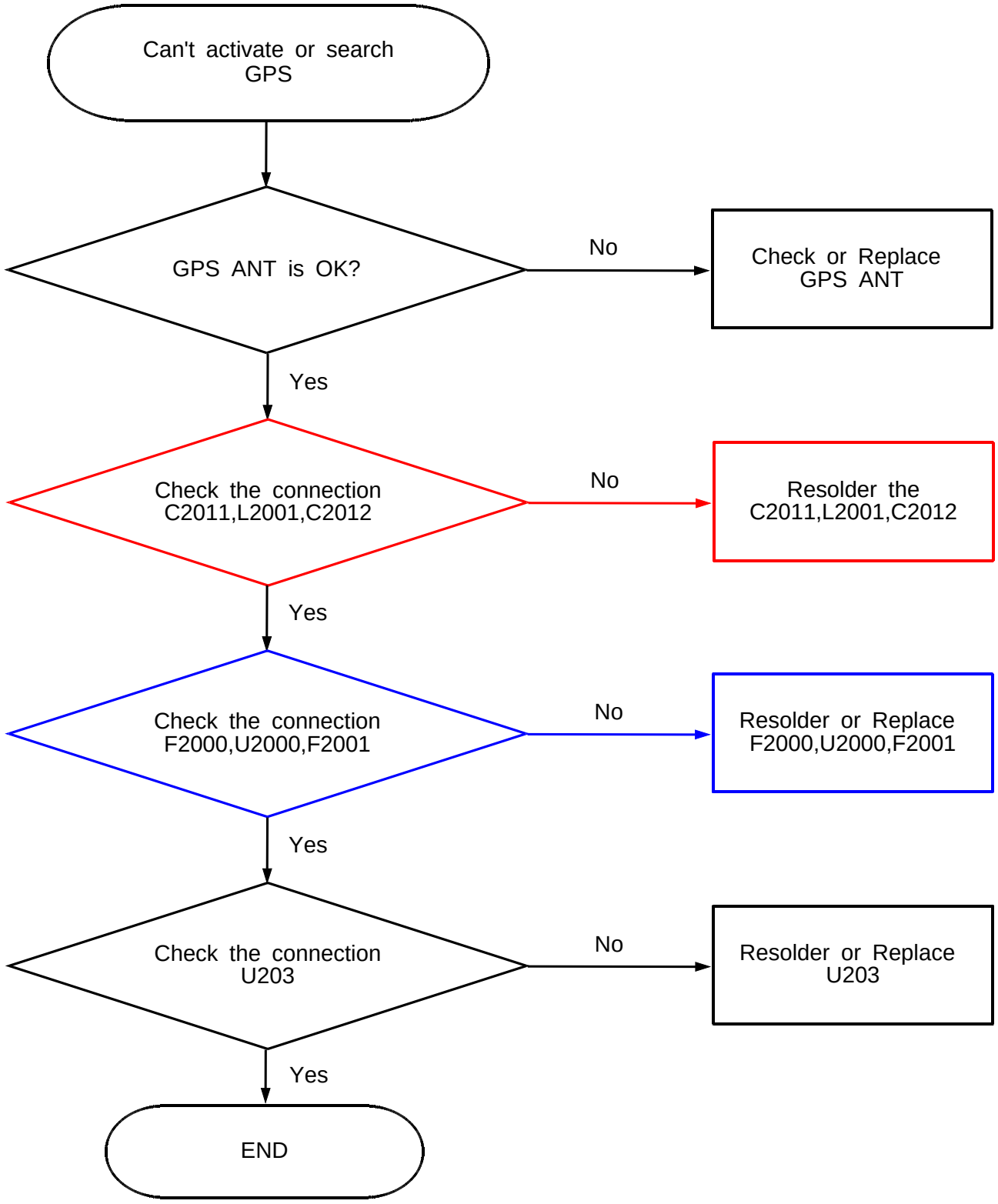
8-3-22. GPS



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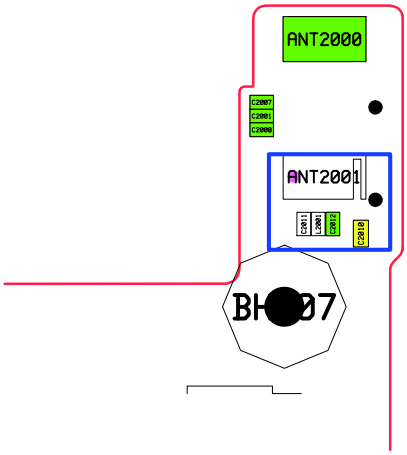

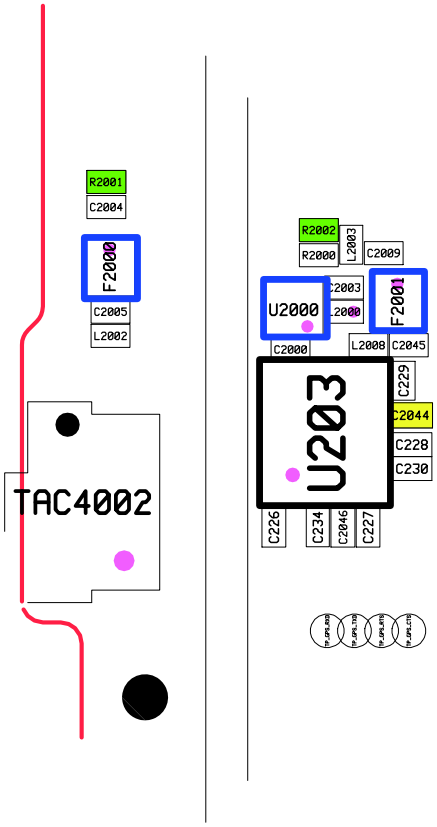

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8-4. Service Schematics

● : **NC**

UME300 (Memory) ● O

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A	O	O	O	O	O	O	O	O	O	O	O	O	O	O
B	O	O	O	O	O	O	O	O	O	O	O	O	O	O
C		O	O	O	O	O	O	O	O	O	O	O	O	
D		O	O	O	O	O	O	O						
E														
F		O	O	O	O			O	O	O	O	O	O	
G		O	●	O	O			O	O	O	O	O	O	
H		O	O	O	O			O	O	O	O	O	O	
J		O	O	O	O			O	O	O	O	O	O	
K		O	O	O	O			O	O	O	O	O	O	
L		O	O	O	O			O	O	O	O	O	O	
M		O	O	O	O			O	O	O	O	O	O	
N		O	O	O	O			O	O	O	O	O	O	
P		O	O	O	O			O	O	O	O	O	O	
R		O	O	O	O			O	O	O	O	O	O	
T		O	O	O	O			O	O	O	O	O	O	
U		O	O	O	O			O	O	O	O	O	O	
V		O	O	O	O			O	O	O	O	O	O	
W		O	O	O	O			O	O	O	O	O	O	
Y		O	O	O	O			O	O	O	O	O	O	
AA	O	O	O	O	O			O	O	O	O	O	O	O
AB	O	O	O	O	O			O	O	O	O	O	O	O

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U403 (MicroUSB Switching IC)

	1	2	3
A	O	O	O
B	O	O	O
C	O	O	O
D	O	O	O
E	O	O	O
F	O	O	O

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