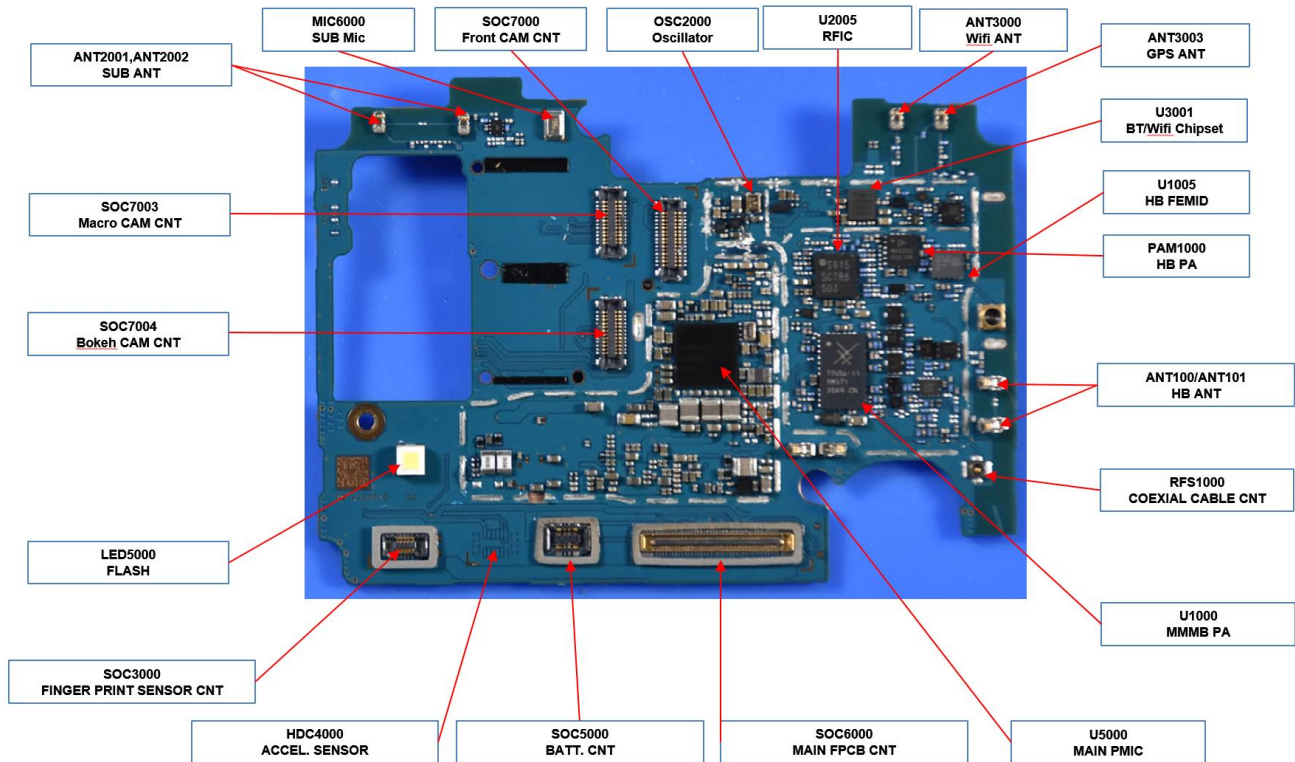


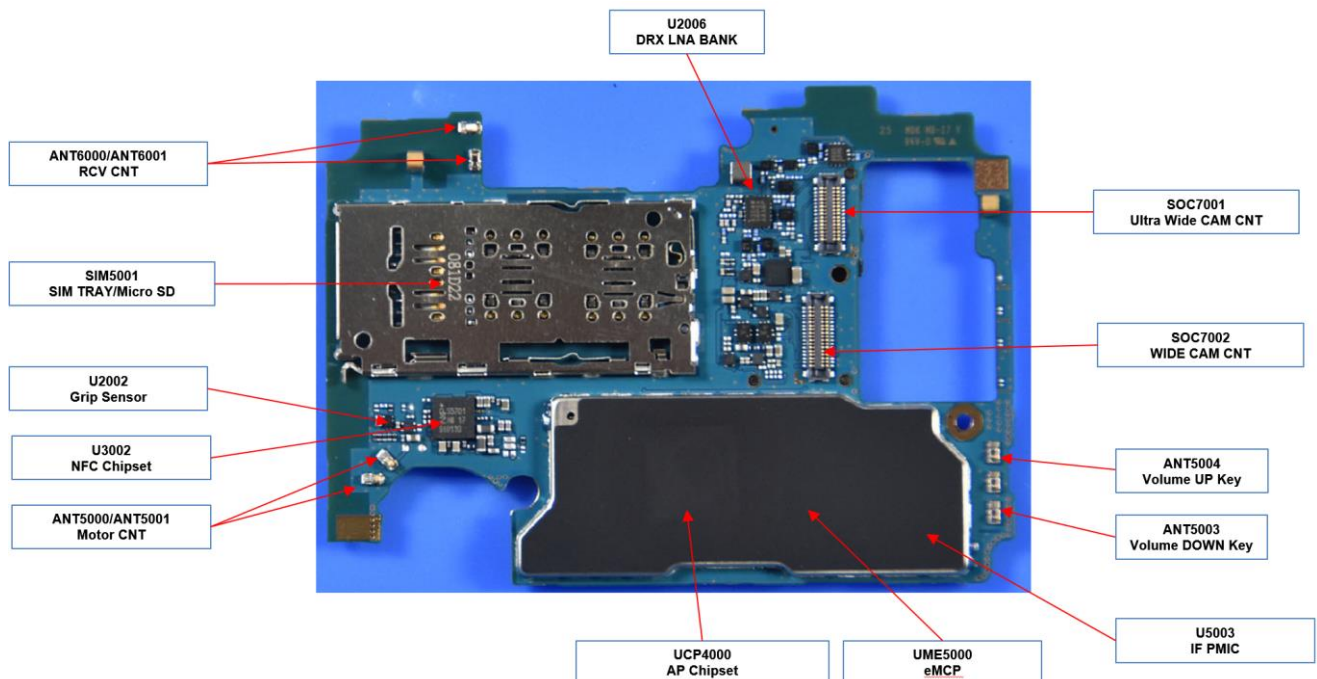
## 8. Level 3 Repair

### 8-1. Components Layout

#### MAIN PBA (TOP SIDE)



#### MAIN PBA (BOTTOM SIDE)

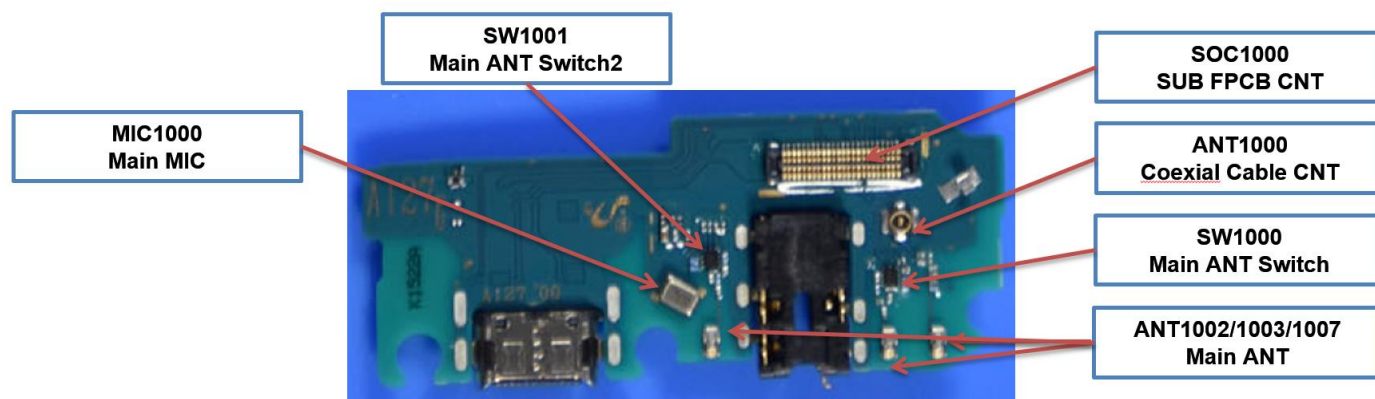


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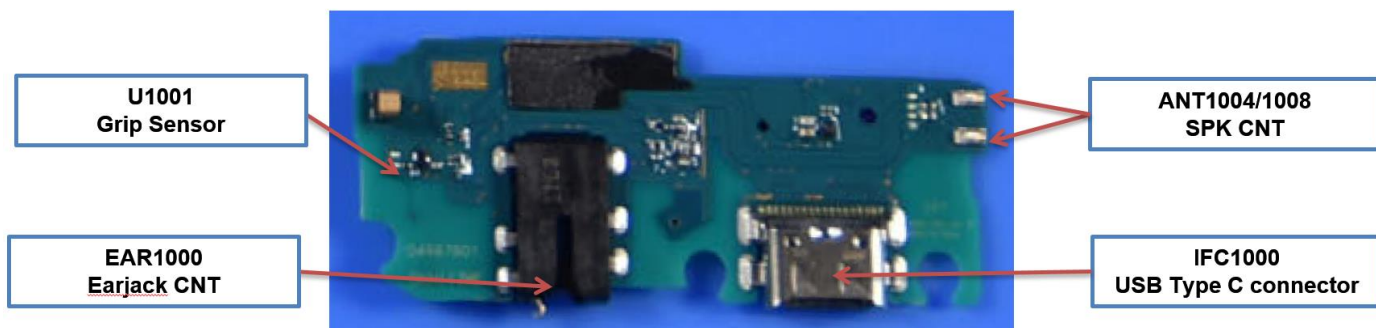
## 8. Level 3 Repair

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### SUB PBA (TOP SIDE)



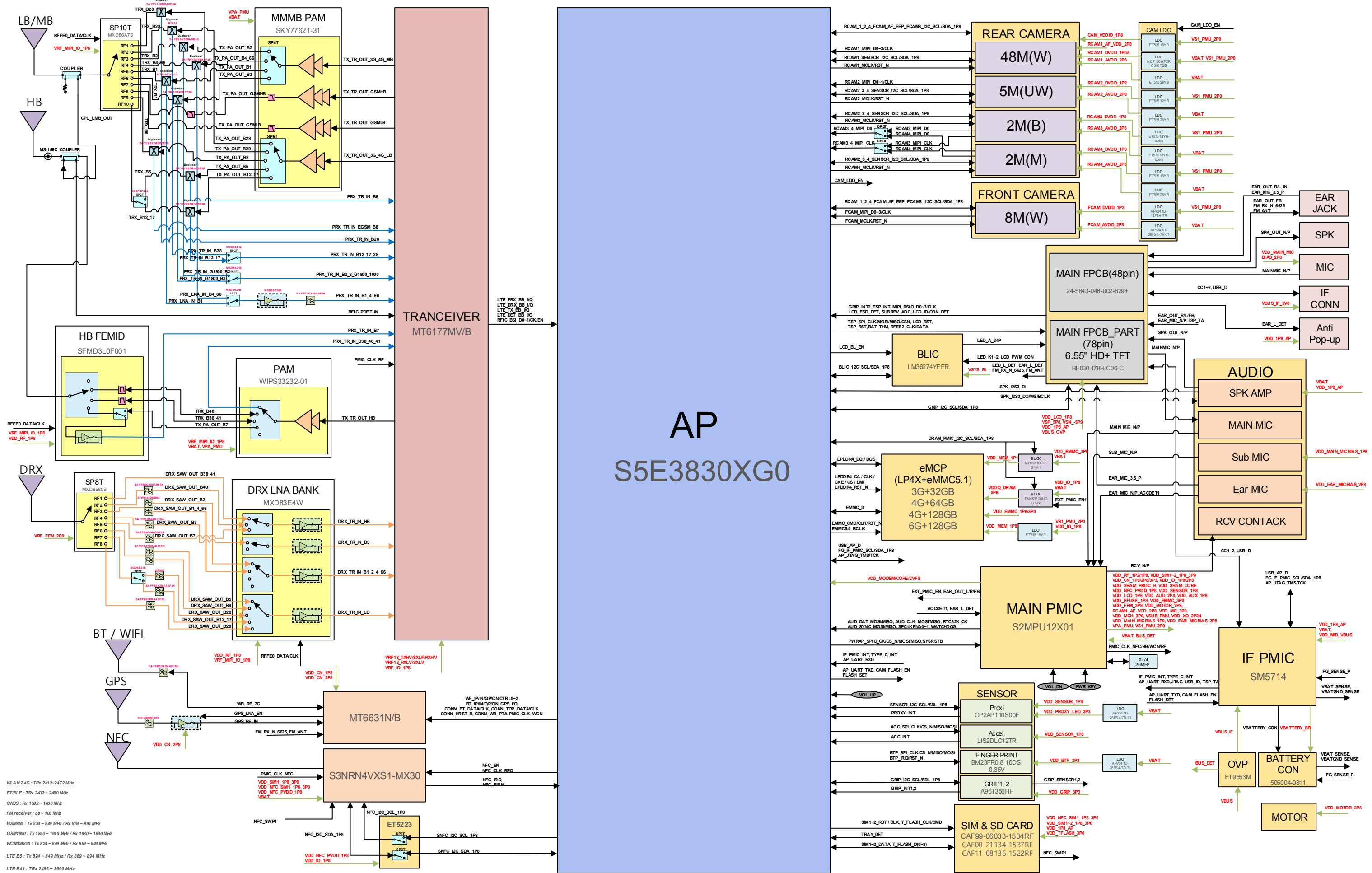
### SUB PBA (BOTTOM SIDE)



RF

AP

BB



SM-A127F

SIM5001

SIM5002

SIM5000

SIM5003

SOC7001

SOC7002

SC7000

UCP4000

UME5000

SIDE\_ETCHING

INT16001

INT16000

CON1001

CON7000

CON1002

INT16003

INT16004

INT16005

INT16006

INT16007

INT16008

INT16009

INT16010

INT16011

INT16012

INT16013

INT16014

INT16015

INT16016

INT16017

INT16018

INT16019

INT16020

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INT16278

INT16279

INT16280

INT16281

INT16282

INT16283

INT16284

INT16285

INT16286

INT16287

INT16288

INT16289

INT

SM-A127F

SOC7003

SOC7004

SOC7000

U5000

SC7002

U1000

U2005

U3001

U1005

PAM1000

CON1000

ANT101

ANT100

RFS1000

SC7001

SOC6000

SOC5000

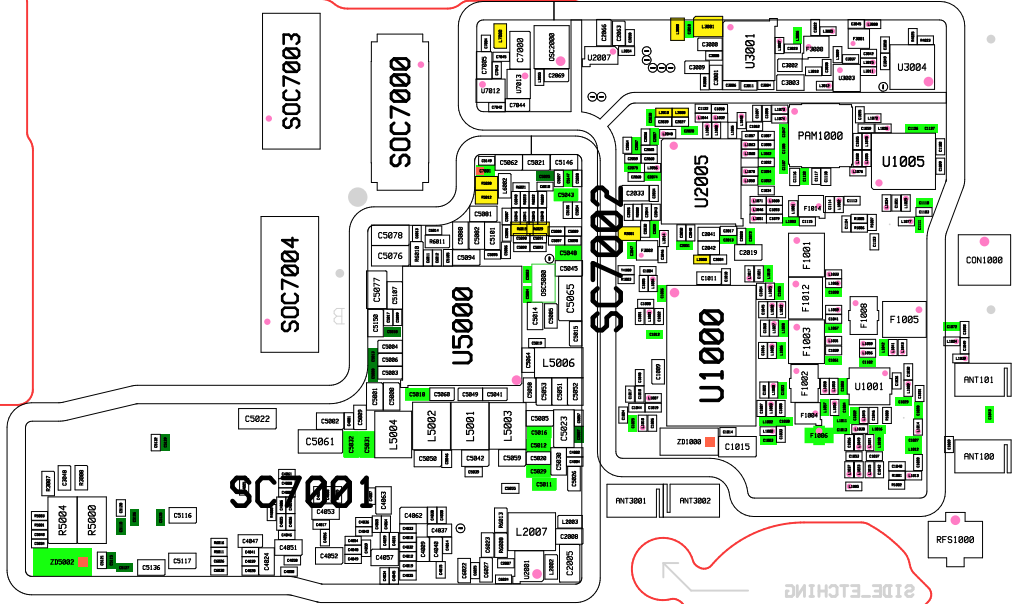
HDC4000

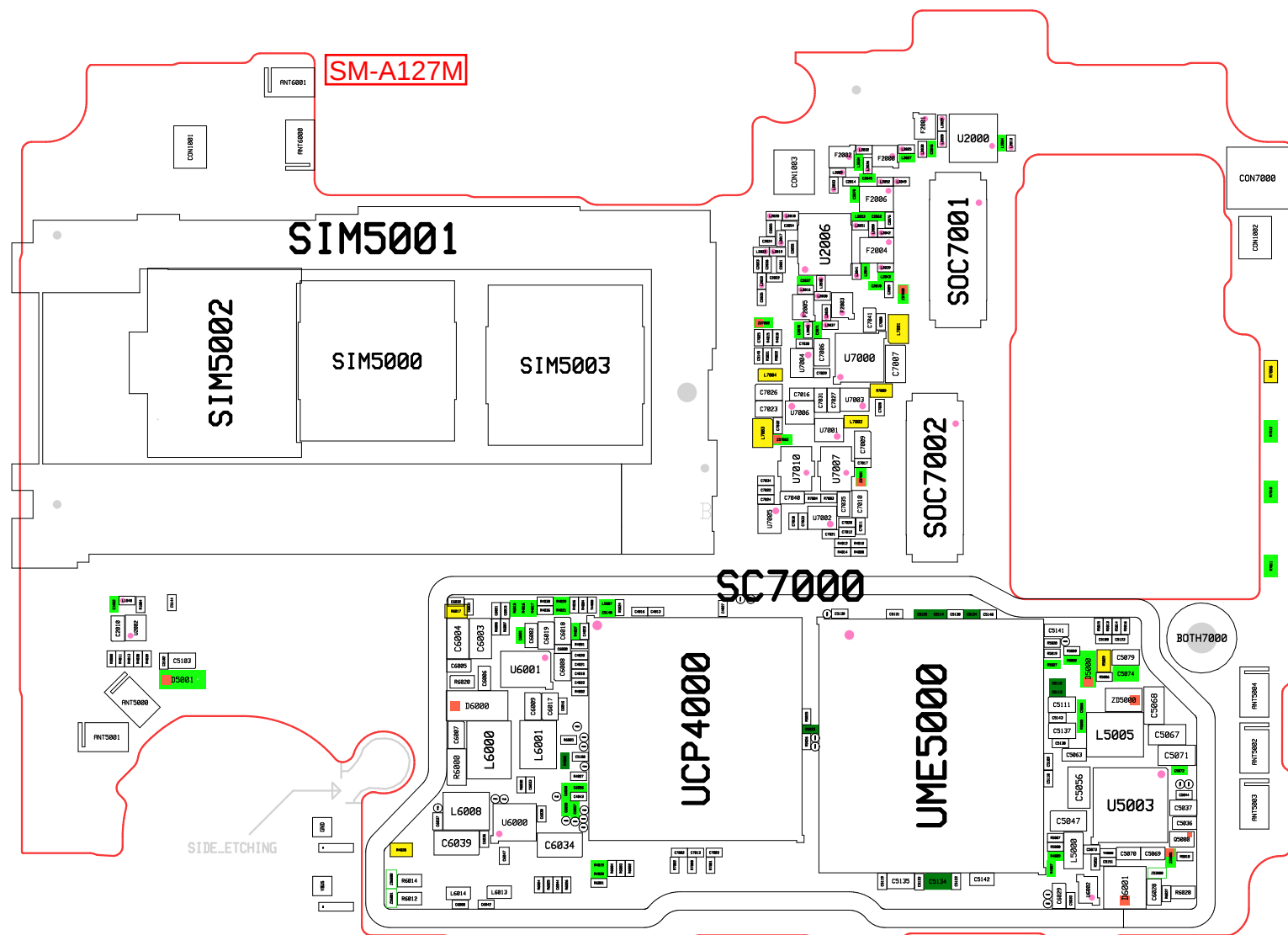
SOC3000

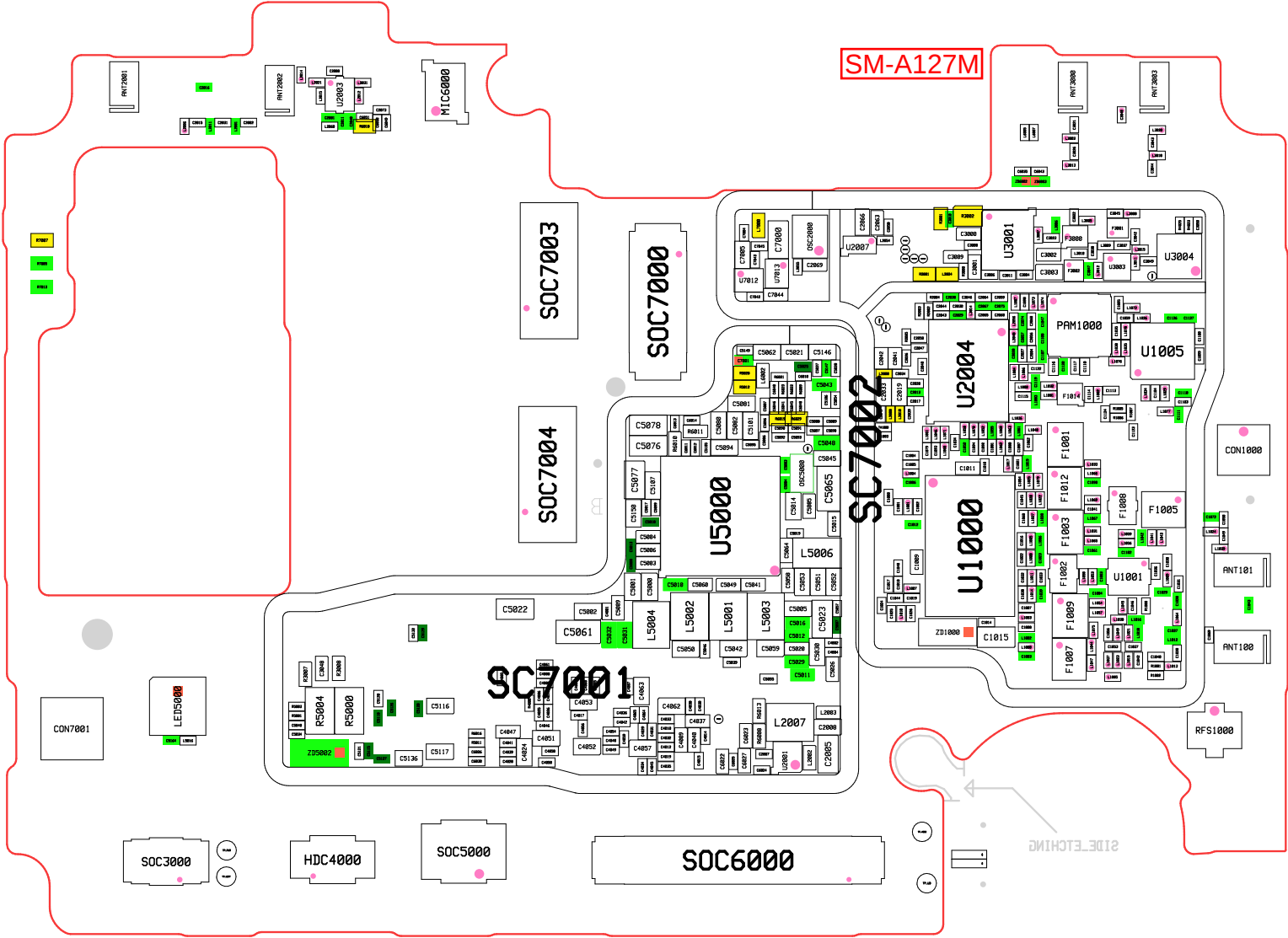
LED5000

CON7001

SIDE ETCHING

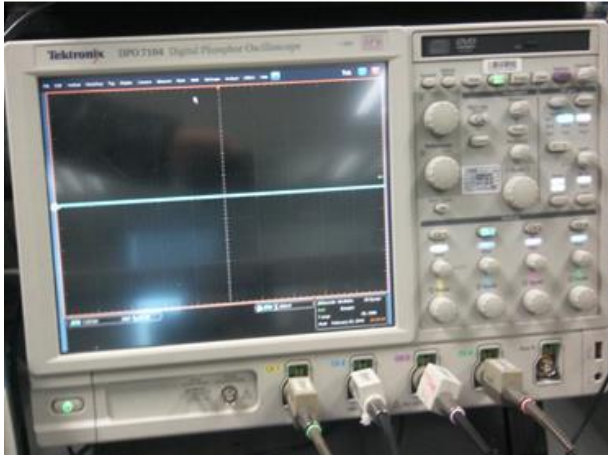






## 8. Level 3 Repair

### 8-3. Flow chart of Troubleshooting.



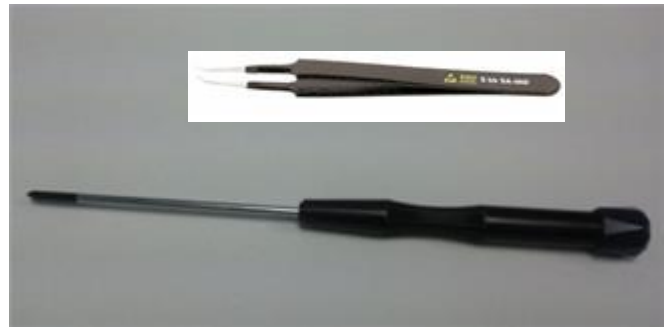
Oscilloscope



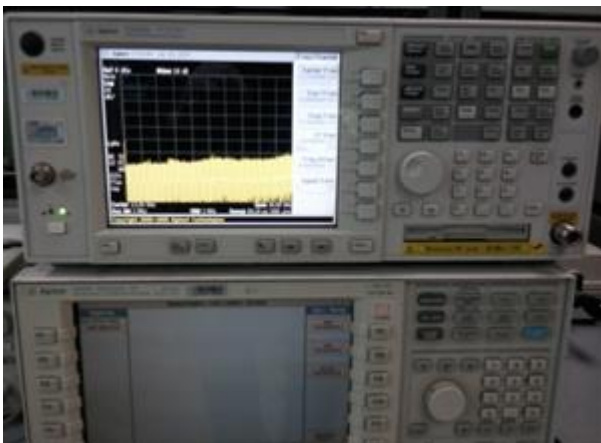
Digital Multimeter



Power Supply



+ driver, ESD Safe Tweezer



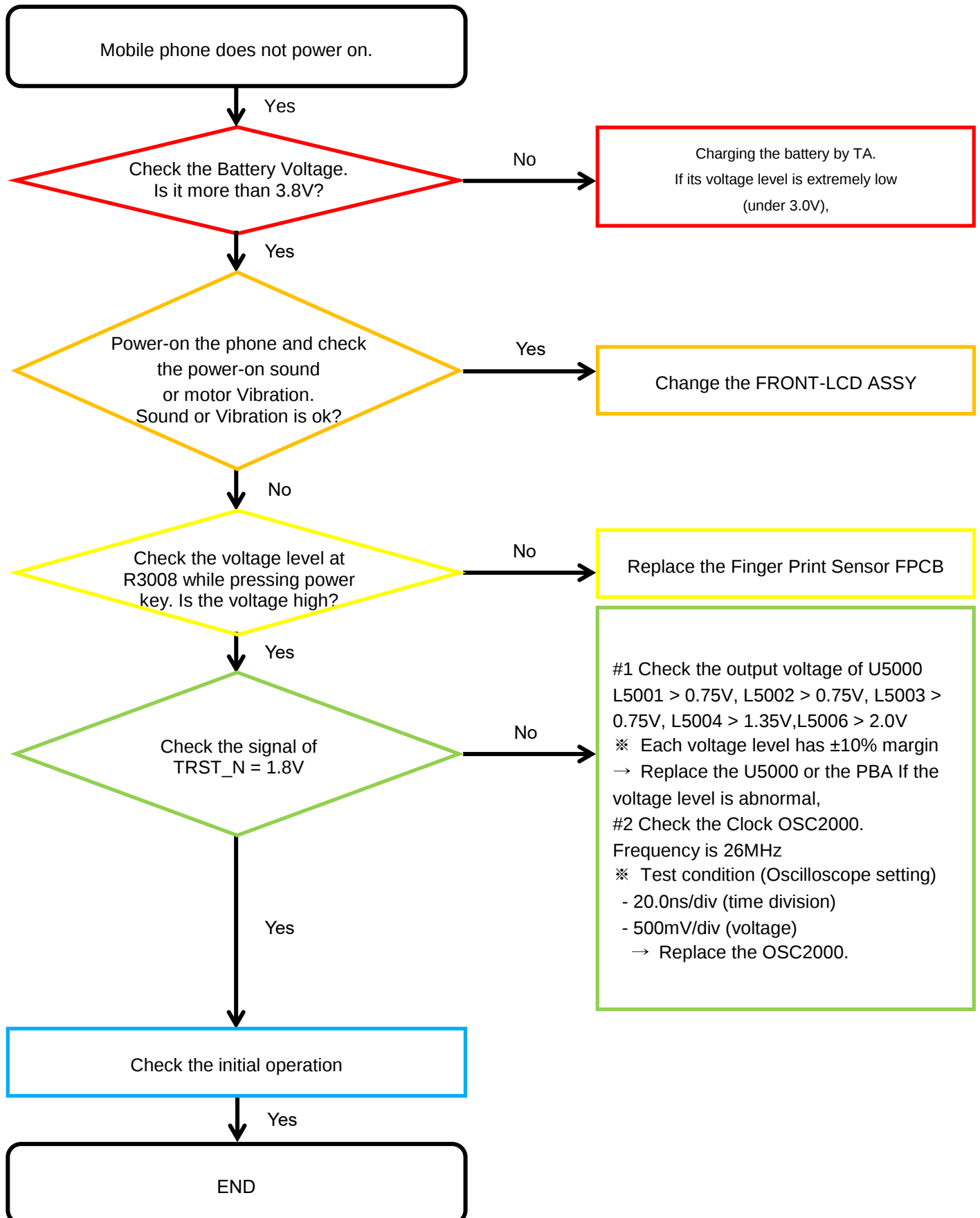
8960 & Spectrum Analyzer



Soldering iron

## 8. Level 3 Repair

### 8-4-1. Power On

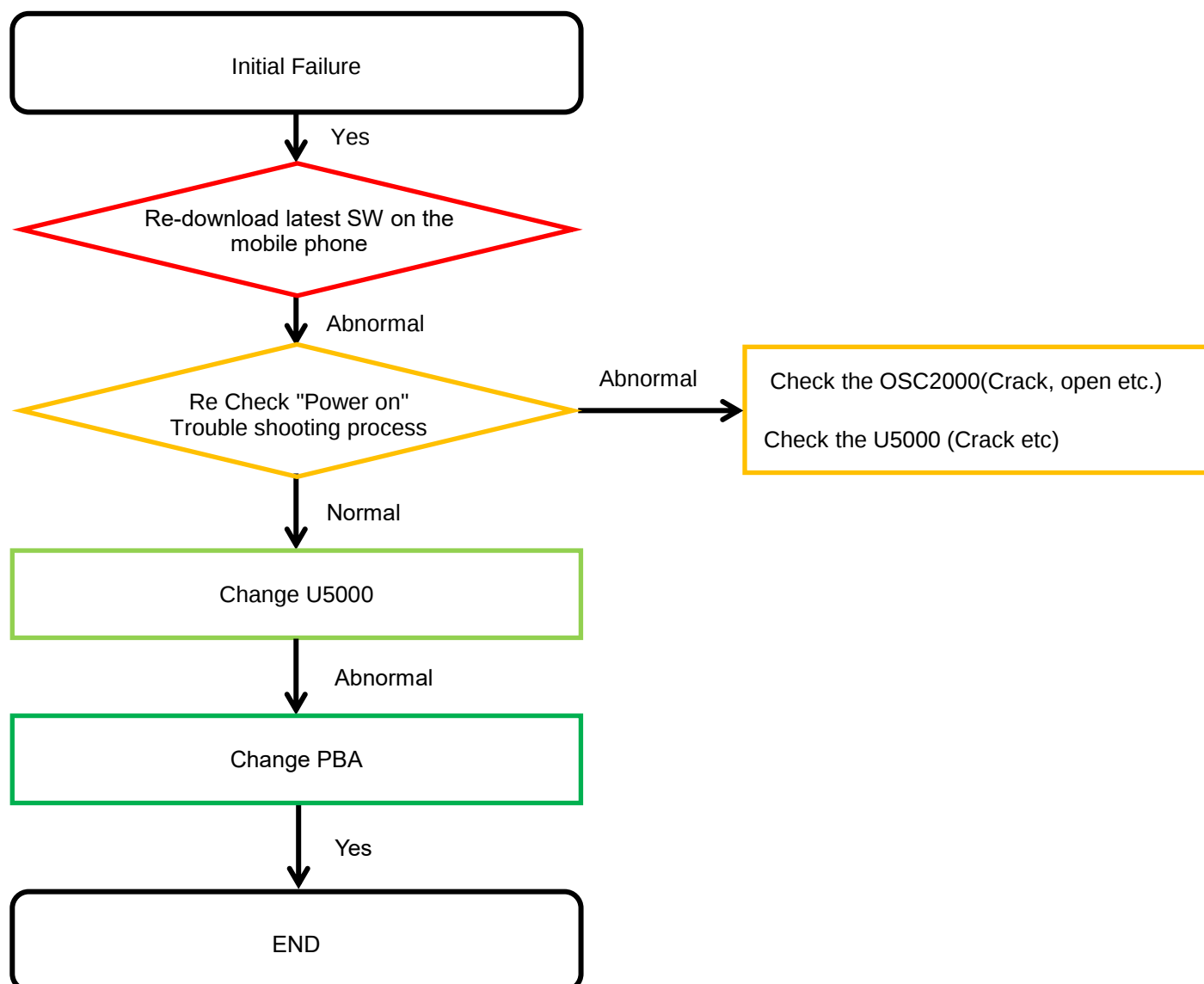


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## 8. Level 3 Repair

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### 8-4-2. Initial

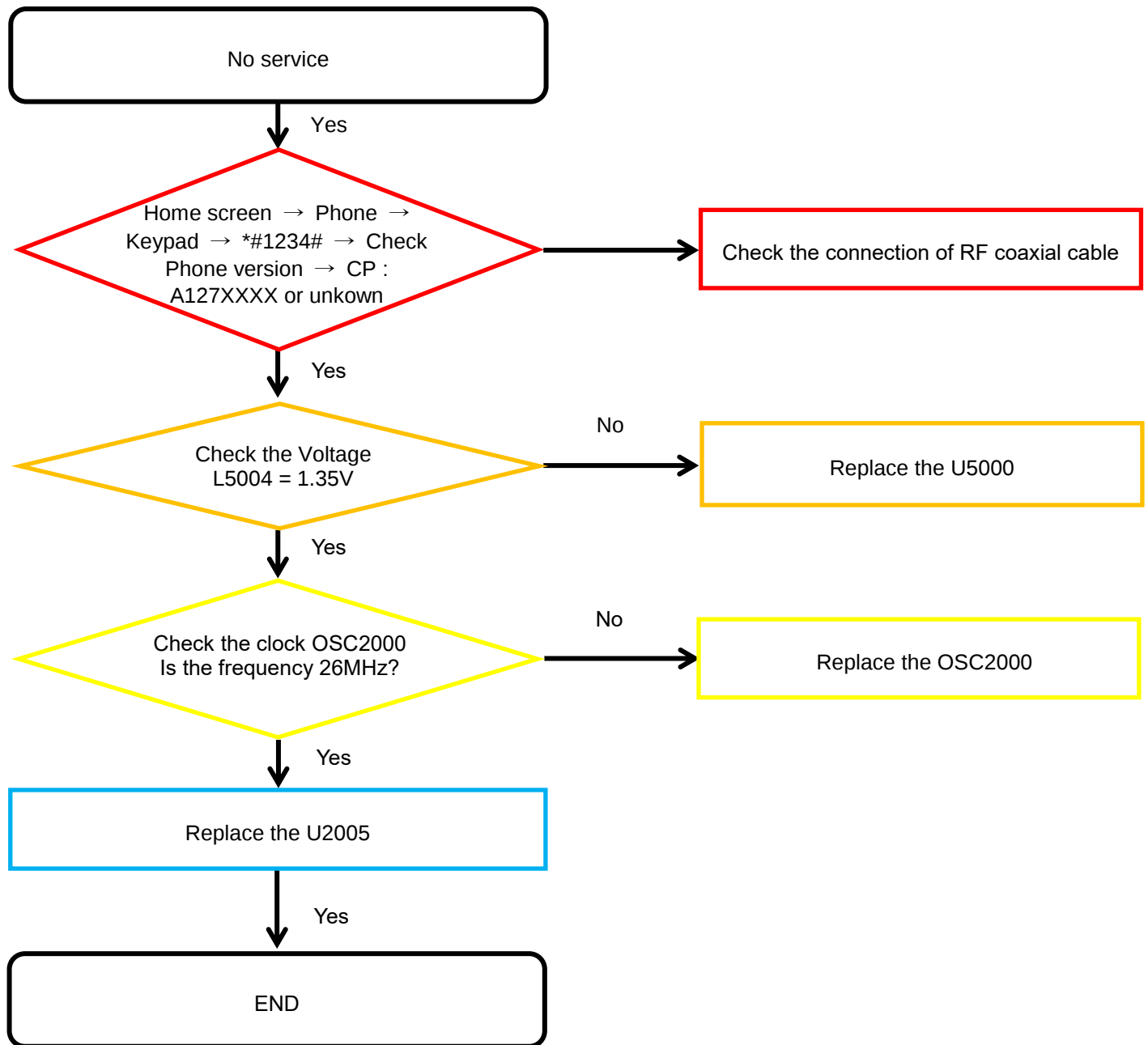


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## 8. Level 3 Repair

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### 8-4-3. No Service

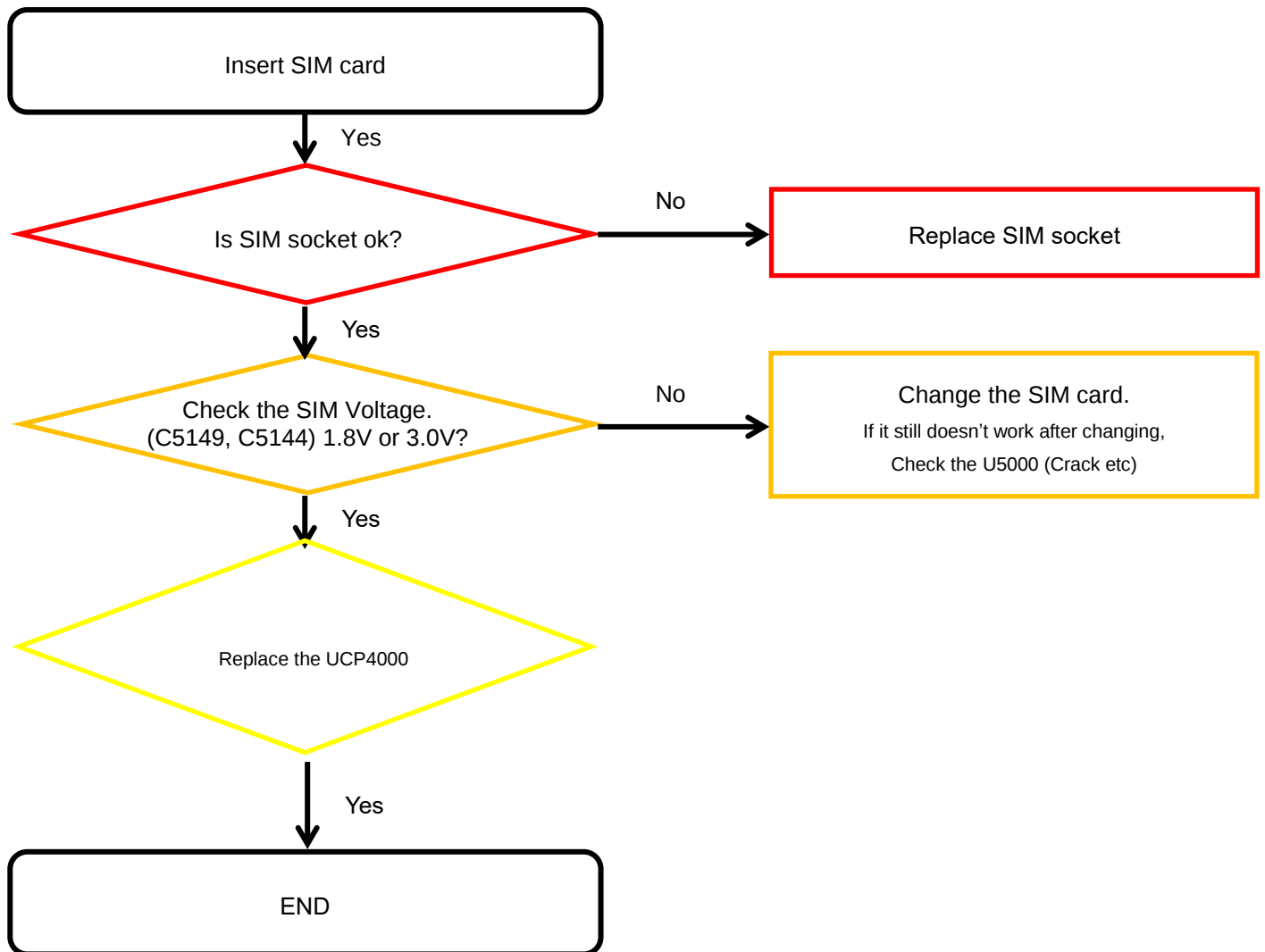


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## 8. Level 3 Repair

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### 8-4-4. SIM Part

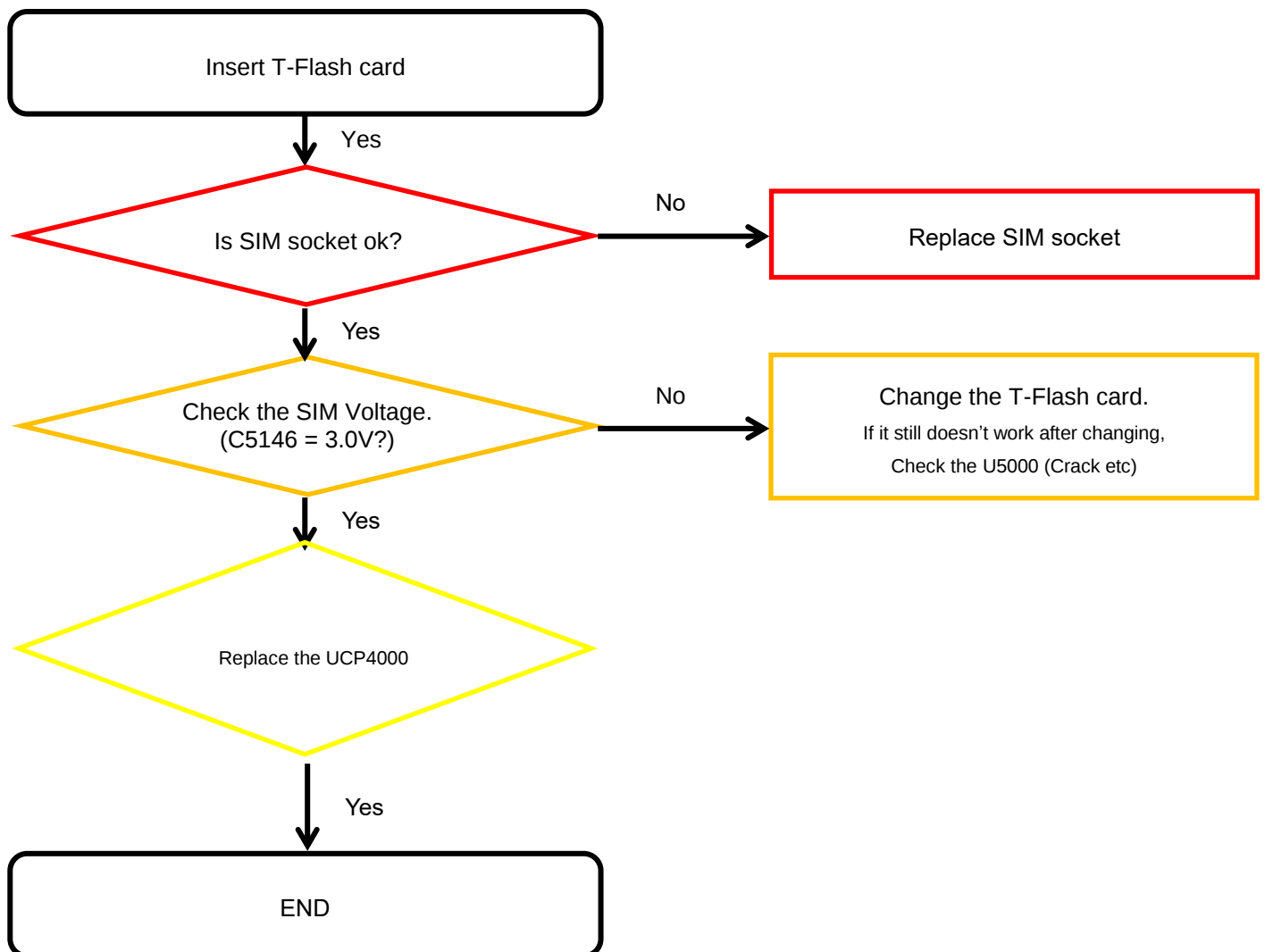


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## 8. Level 3 Repair

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### 8-4-5. T-Flash Part

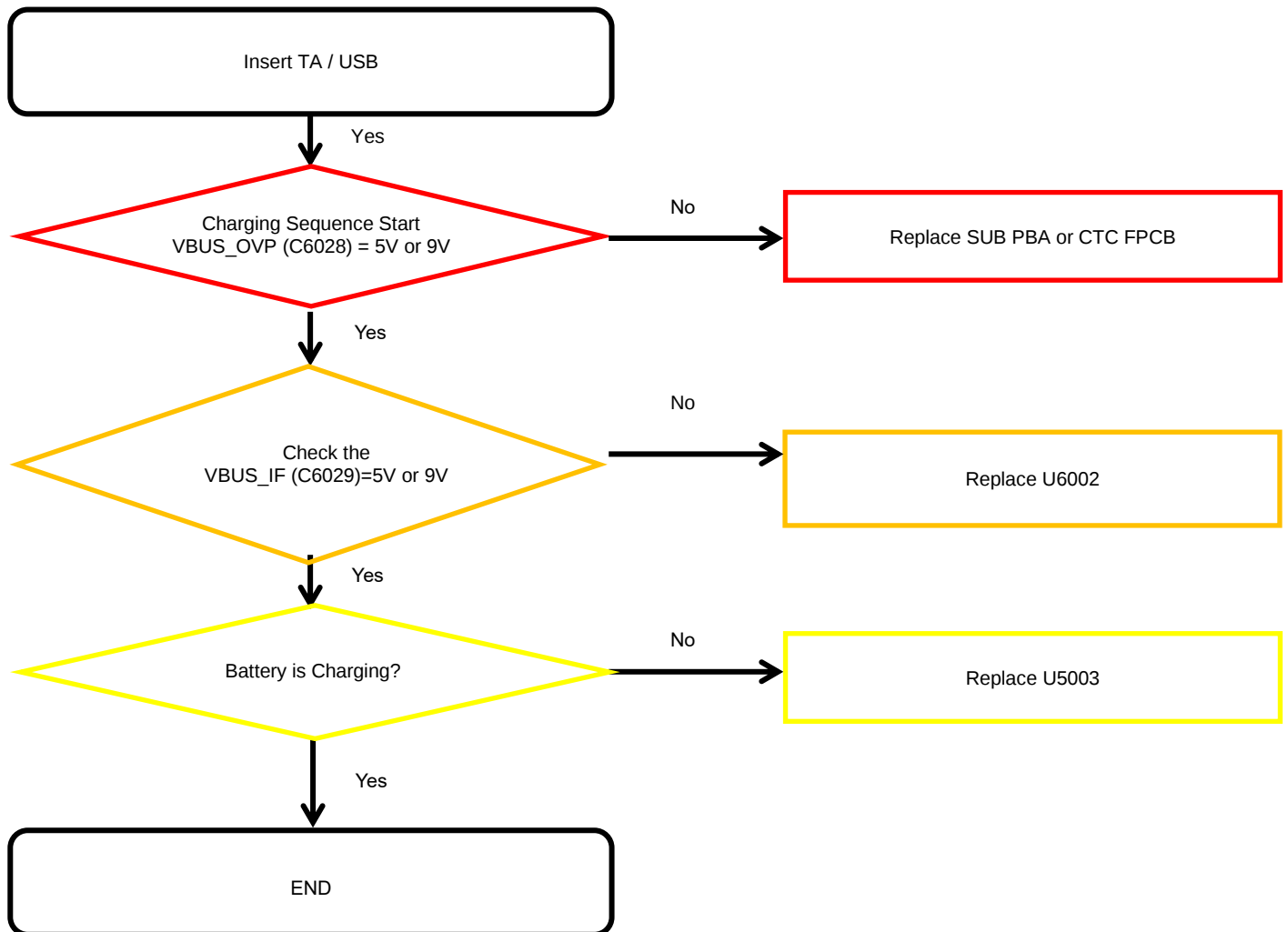


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## 8. Level 3 Repair

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### 8-4-6. Cable Charging Part (15W)

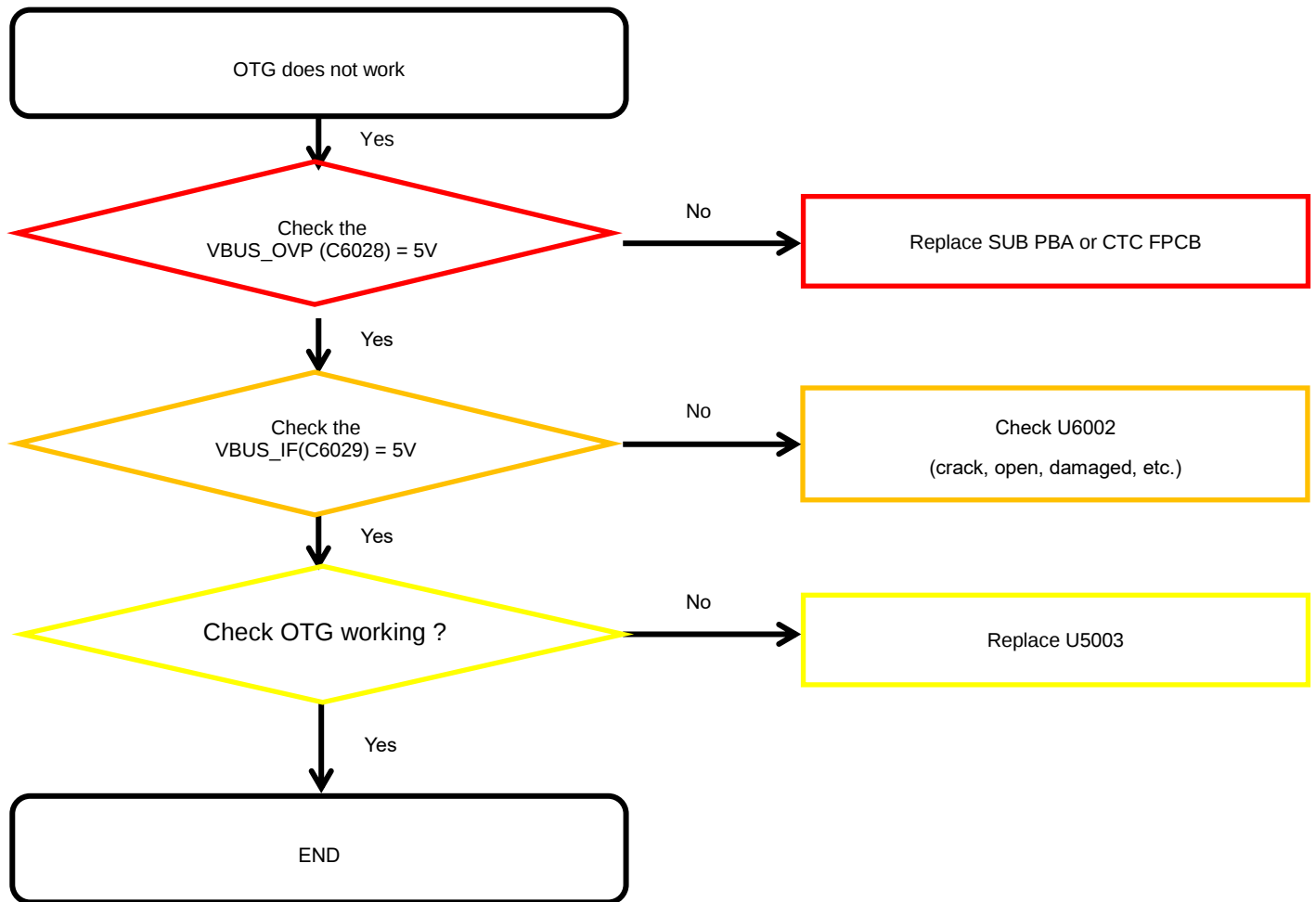


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## 8. Level 3 Repair

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### 8-4-7. OTG

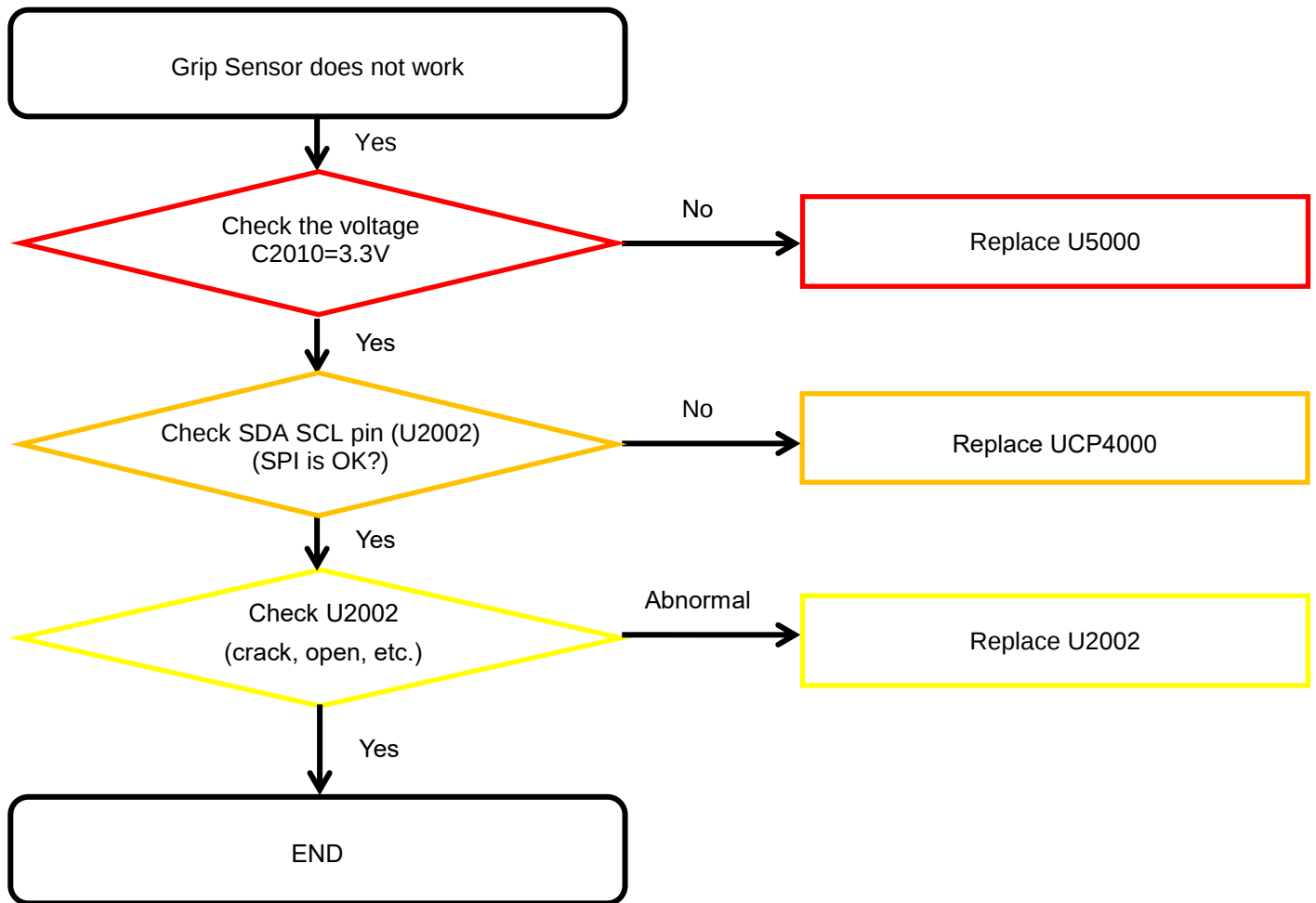


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## 8. Level 3 Repair

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### 8-4-8-1. Grip Sensor

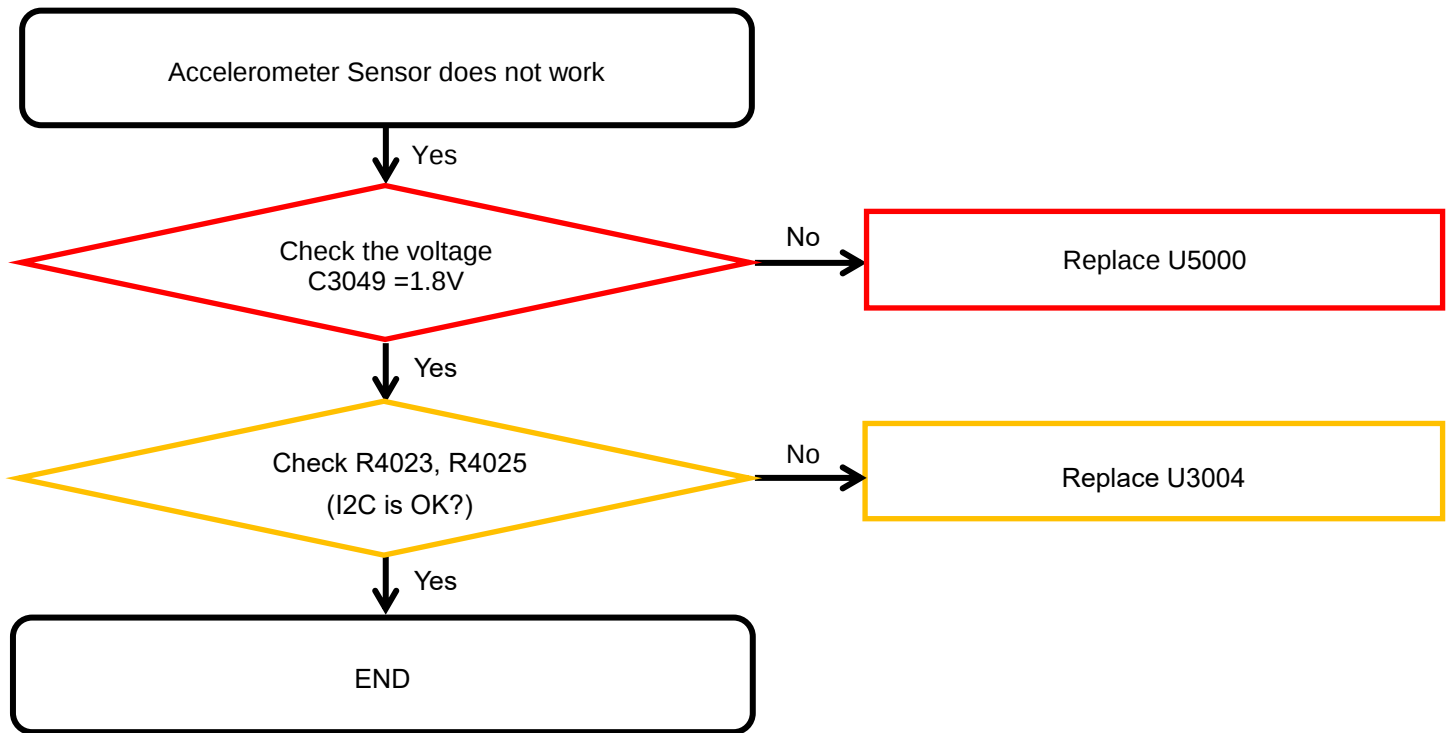


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## 8. Level 3 Repair

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### 8-4-8-2. Accelerometer Sensor

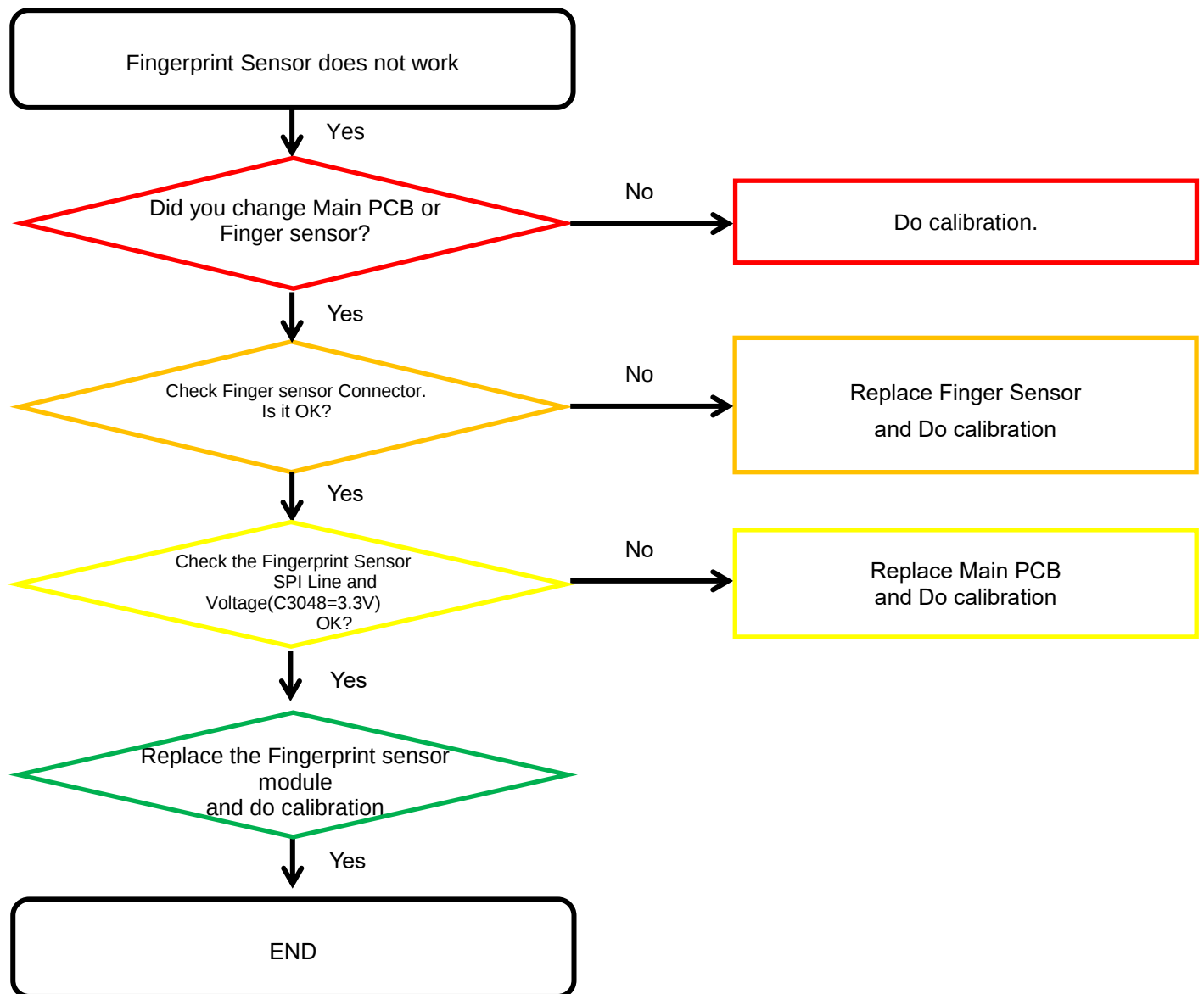


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## 8. Level 3 Repair

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### 8-4-8-3. Fingerprint Sensor

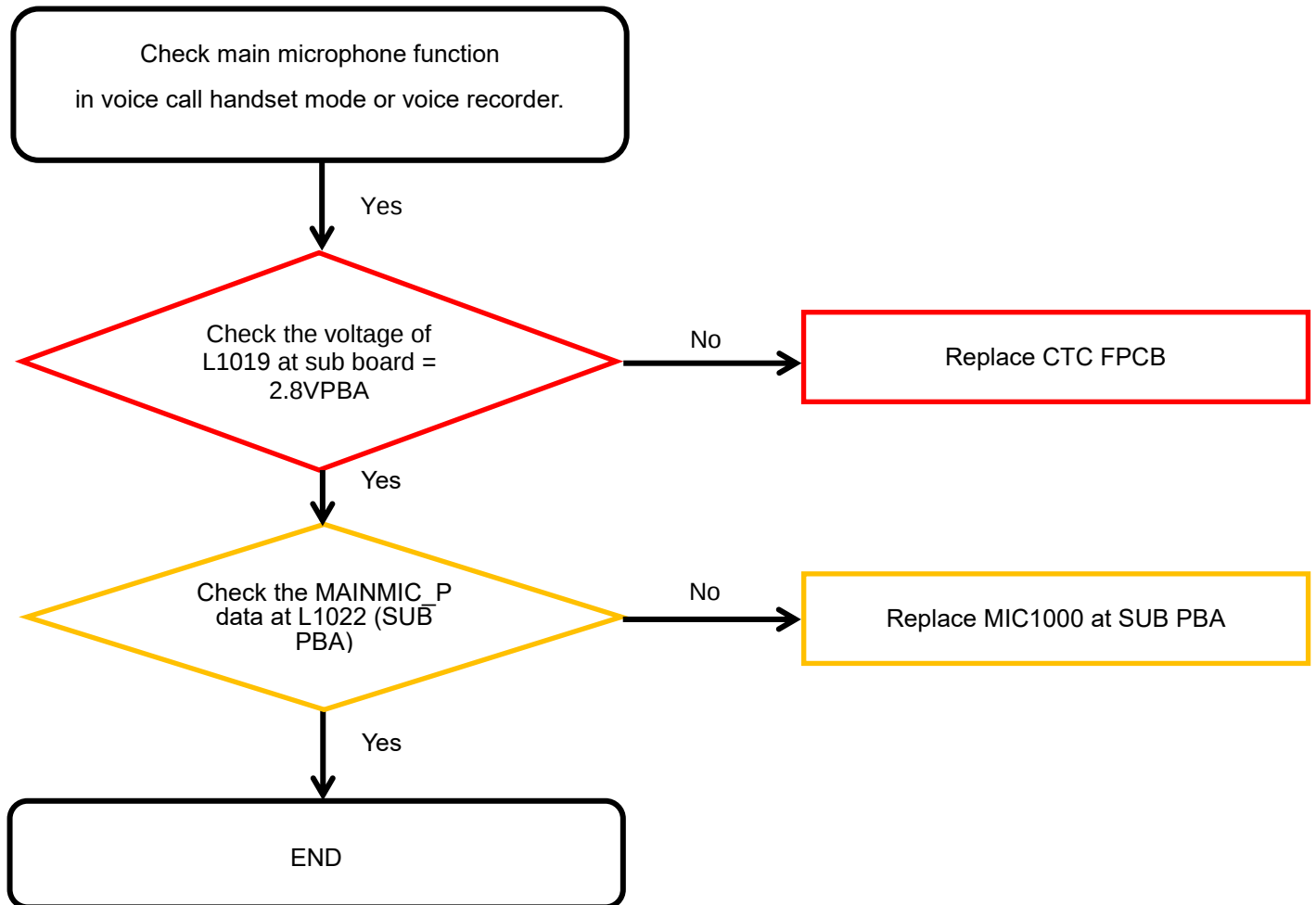


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## 8. Level 3 Repair

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### 8-4-9-1. Microphone Part – MAIN MIC

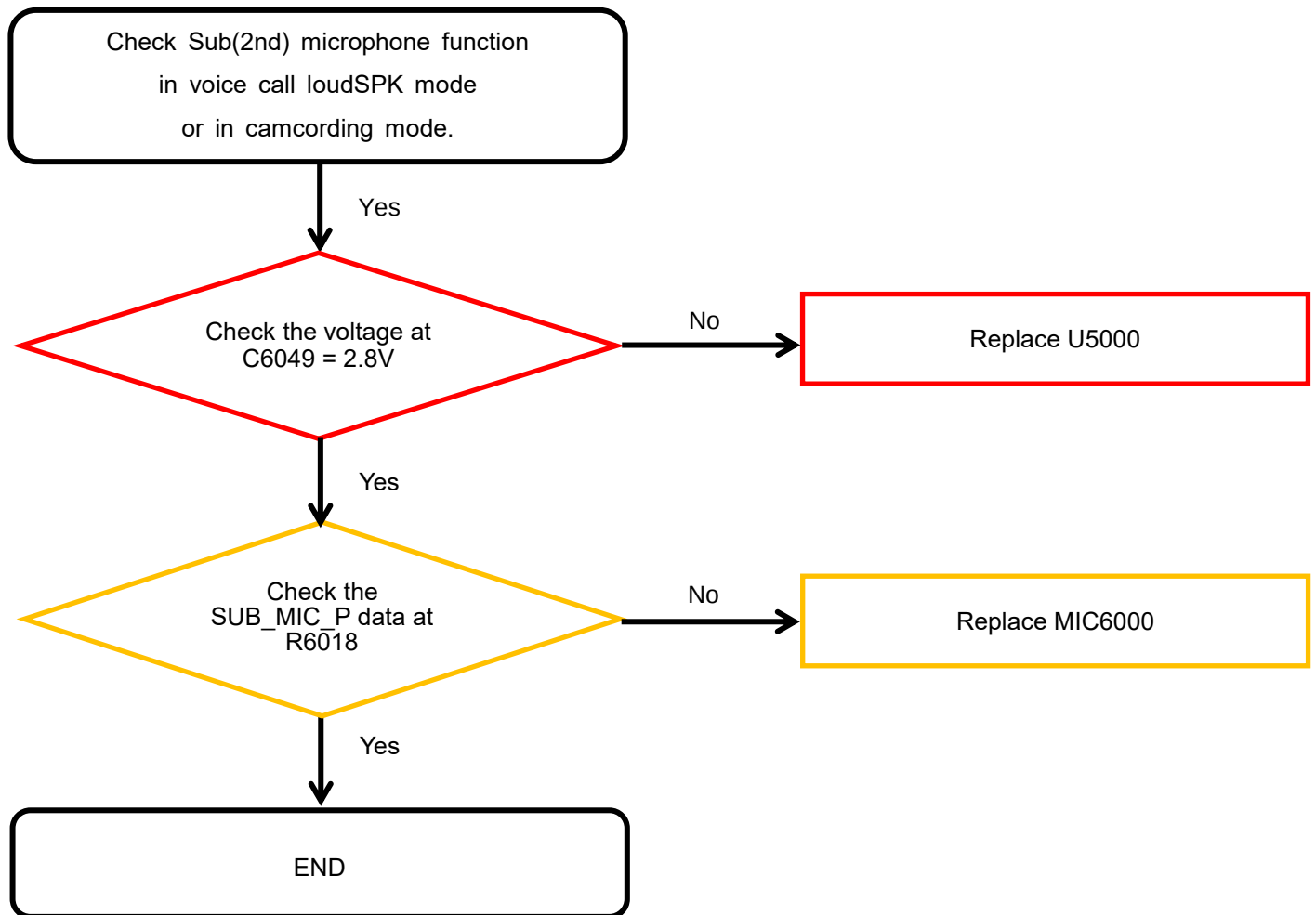


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## 8. Level 3 Repair

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### 8-4-9-2. Microphone Part – 2<sup>nd</sup> MIC

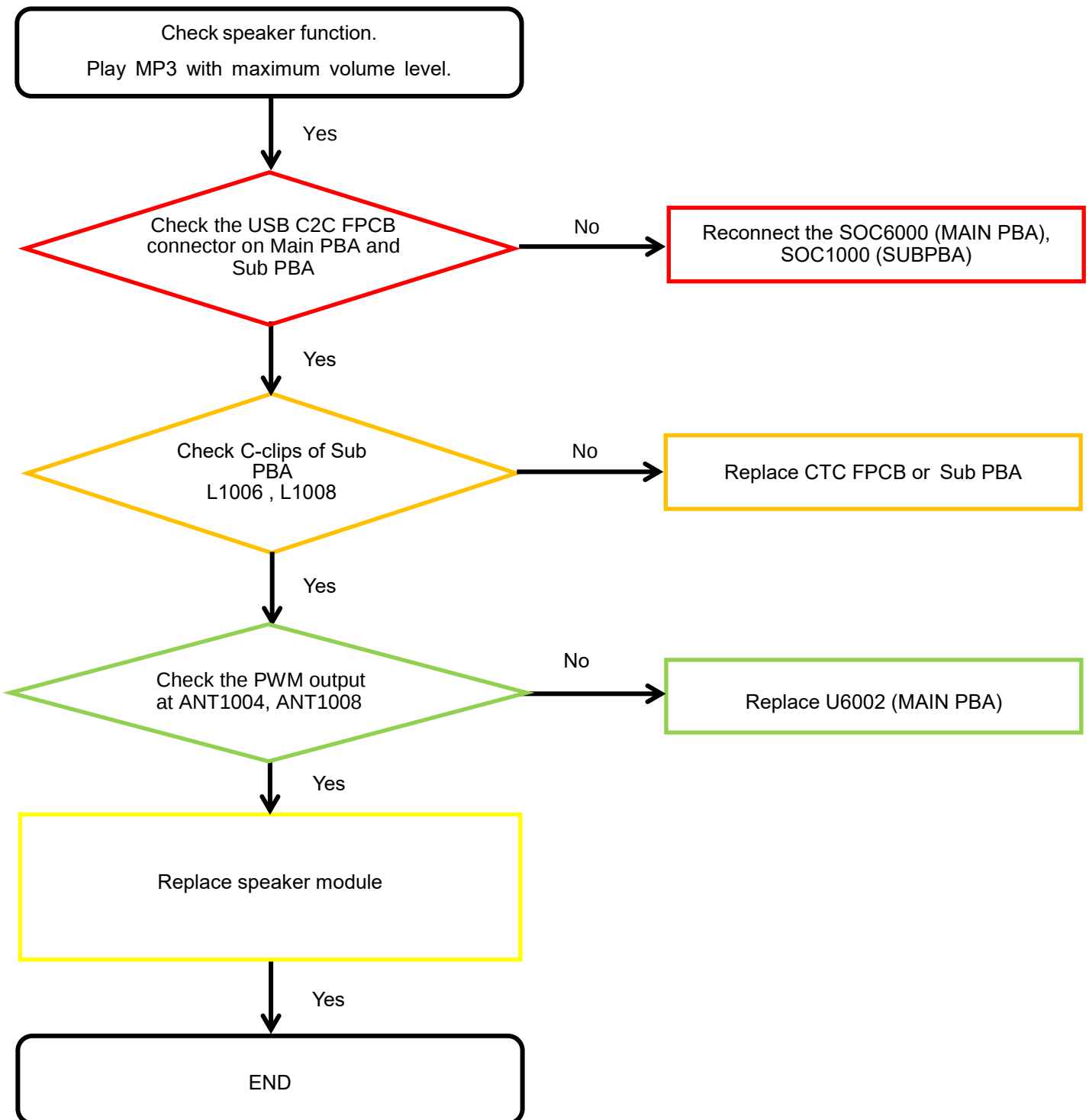


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## 8. Level 3 Repair

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### 8-4-10. Speaker Part

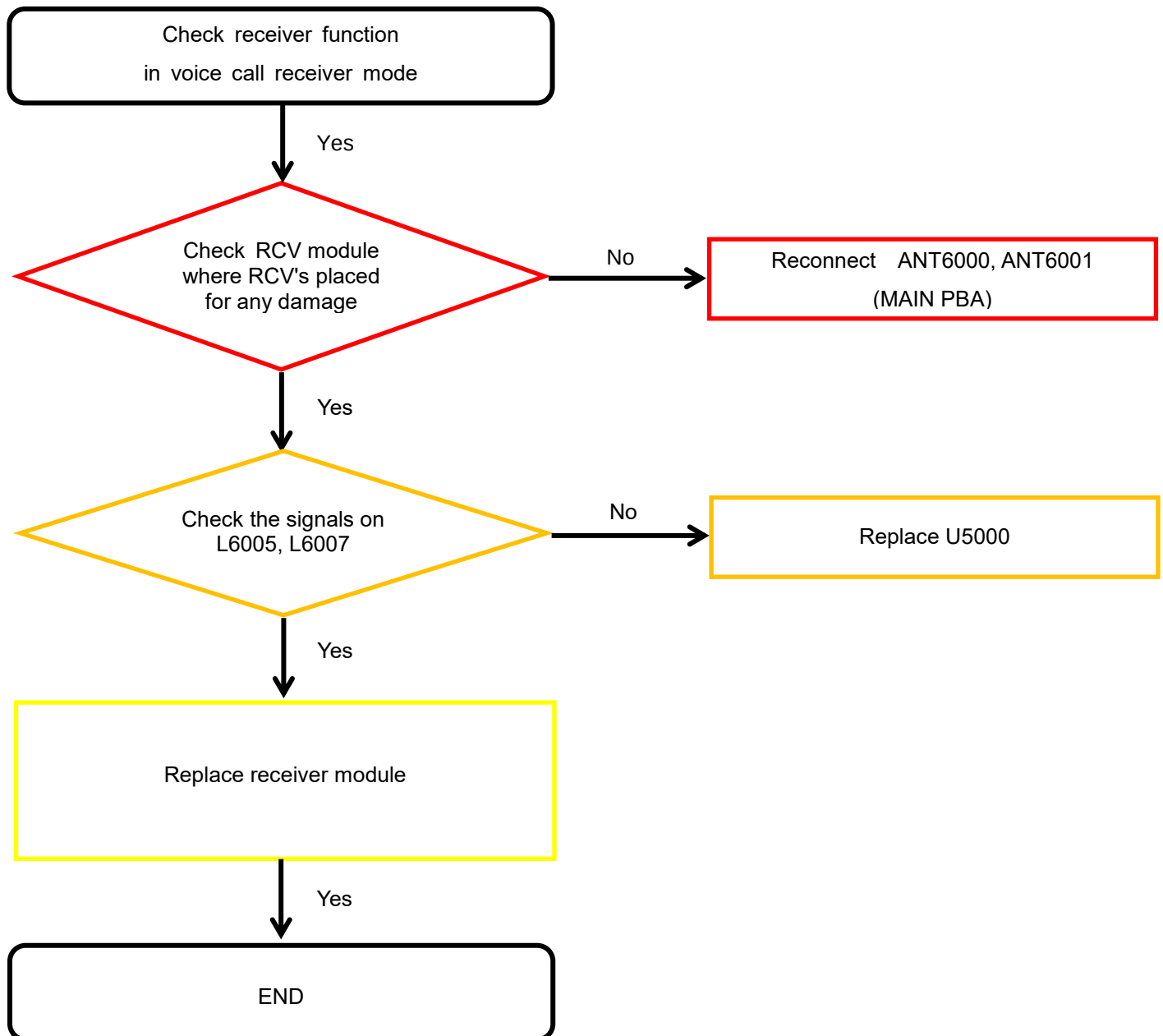


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## 8. Level 3 Repair

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### 8-4-11. Receiver Part

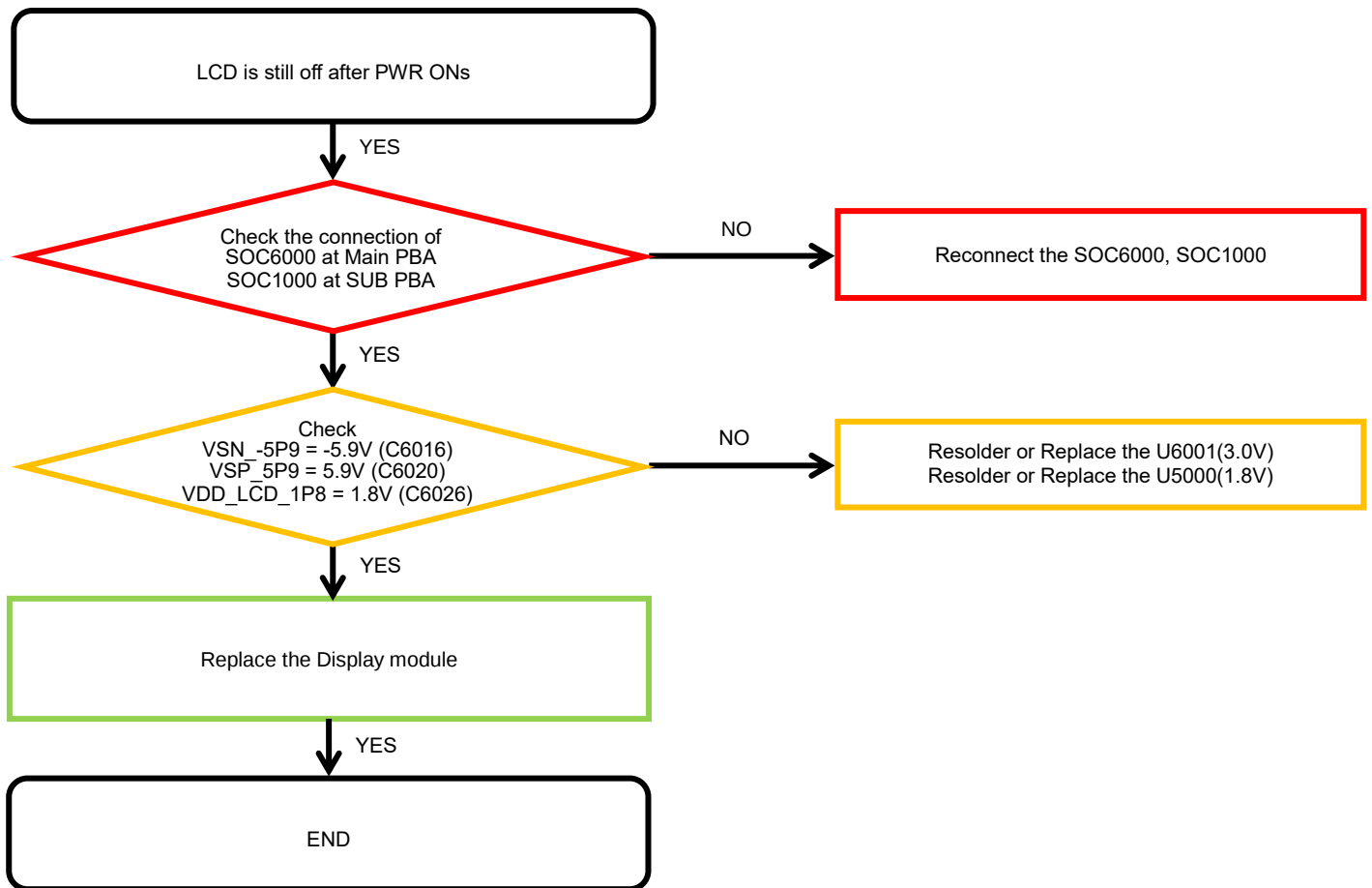


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## 8. Level 3 Repair

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### 8-4-12. Display

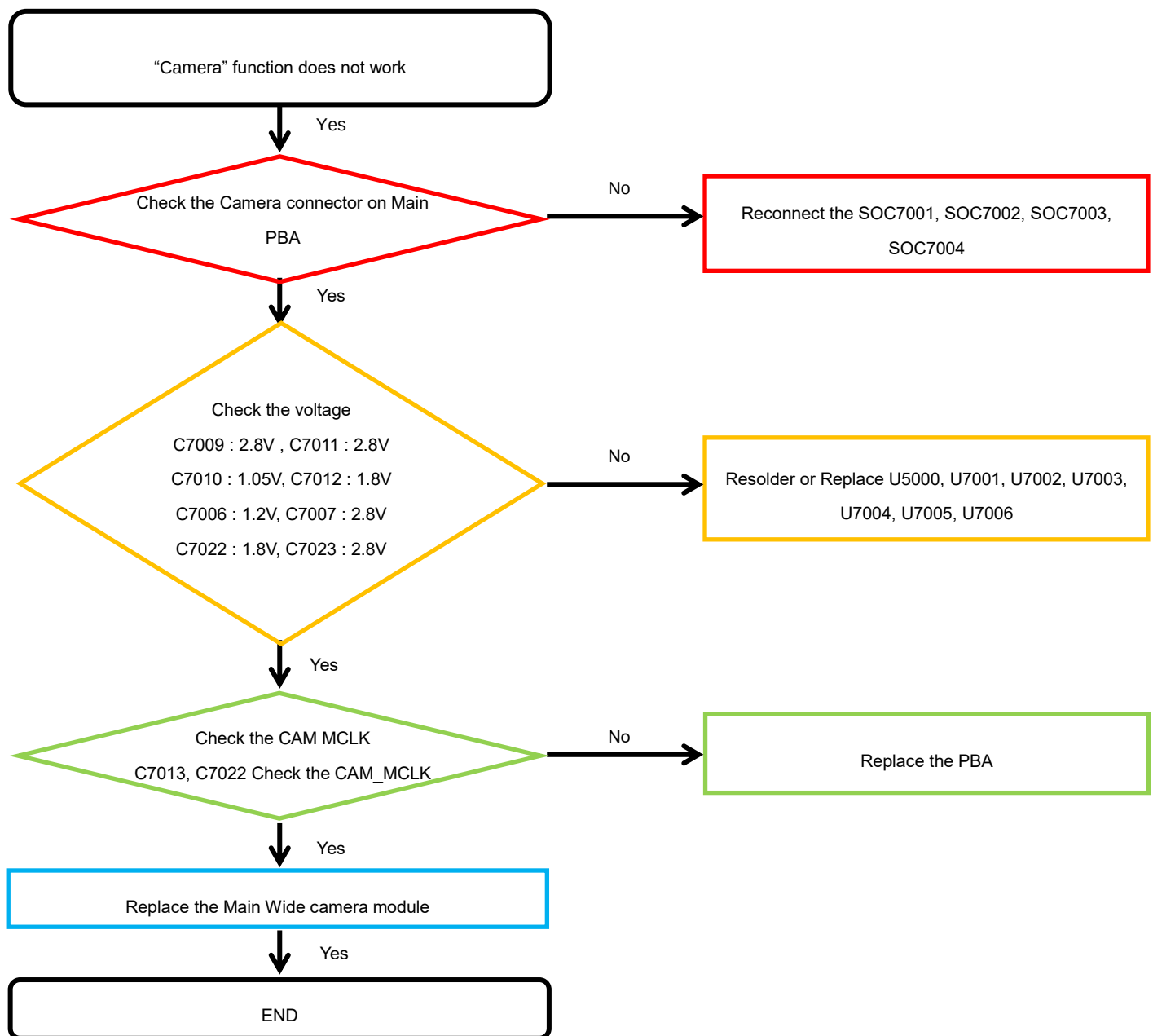


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## 8. Level 3 Repair

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### 8-4-13. Quad Camera

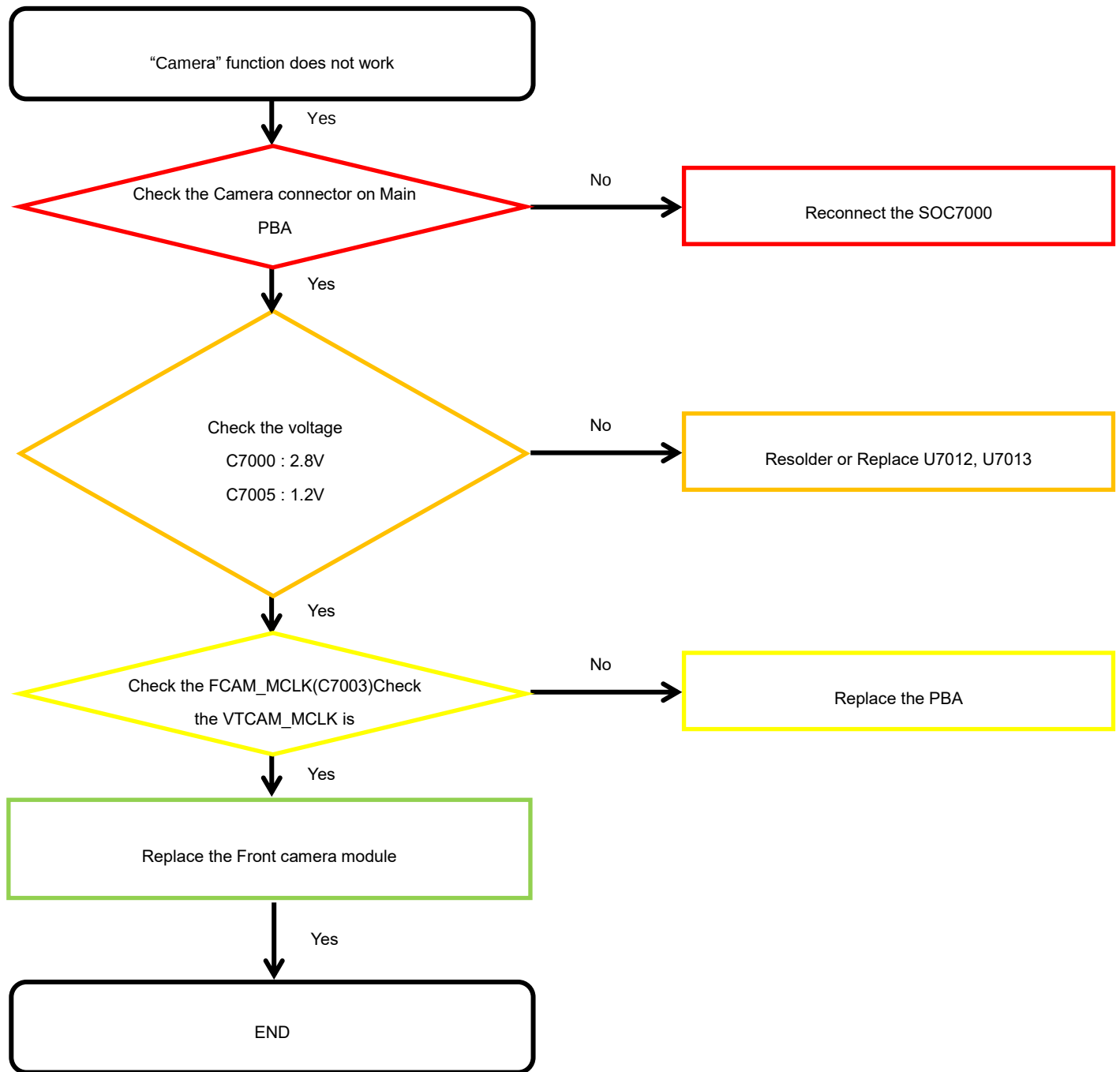


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## 8. Level 3 Repair

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### 8-4-14. FRONT CAMERA

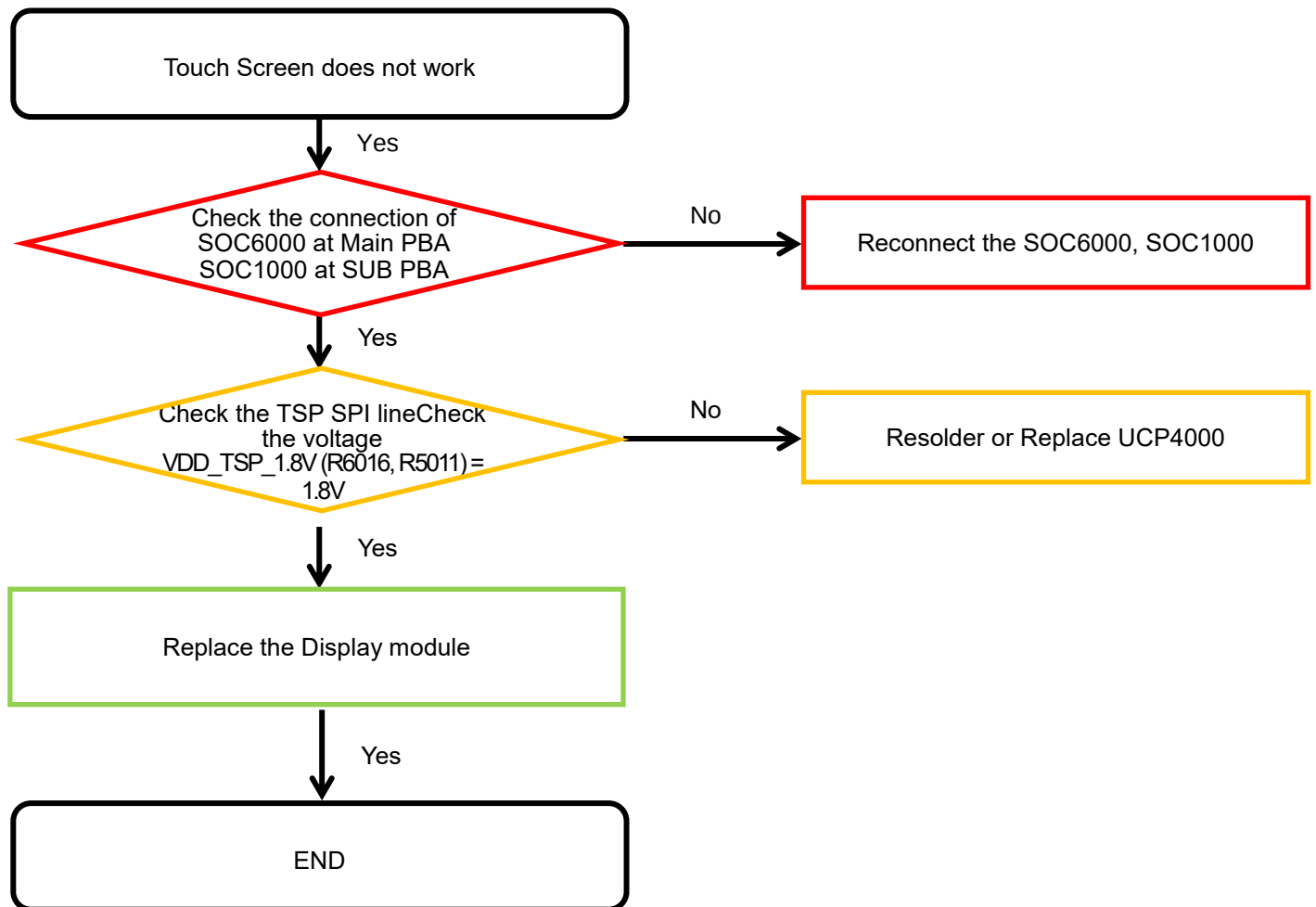


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## 8. Level 3 Repair

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### 8-4-15. TSP

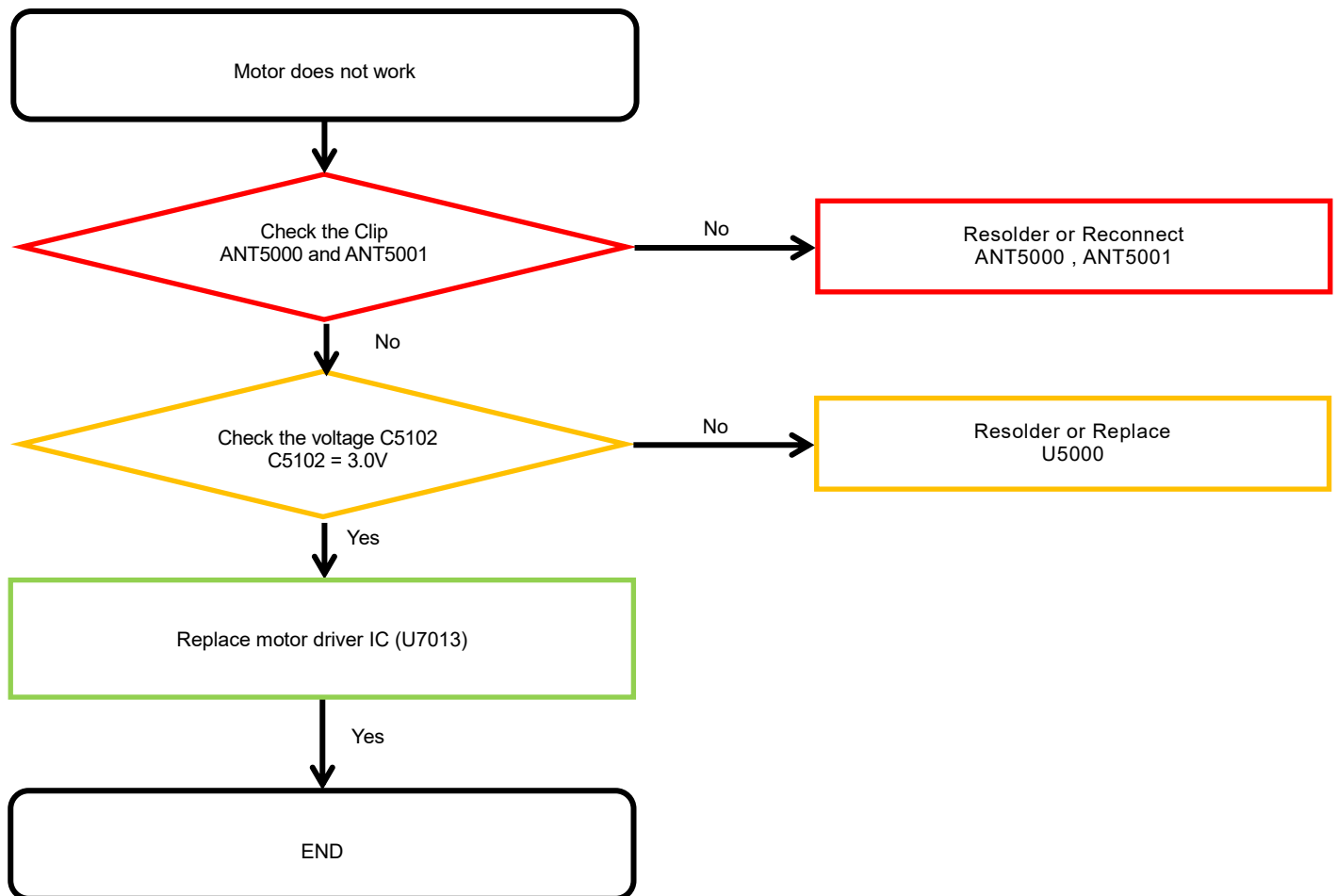


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## 8. Level 3 Repair

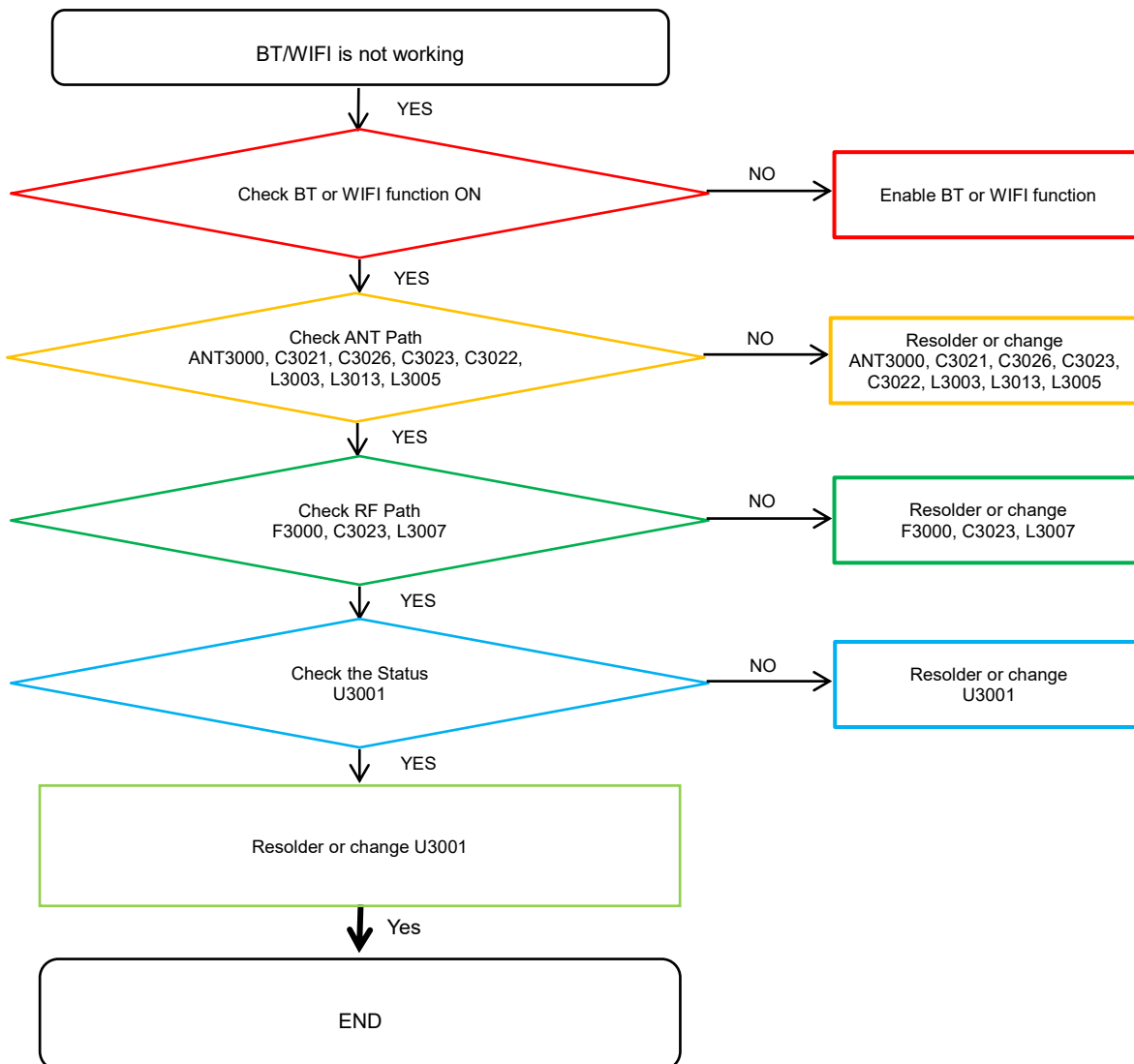
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### 8-4-16. Motor



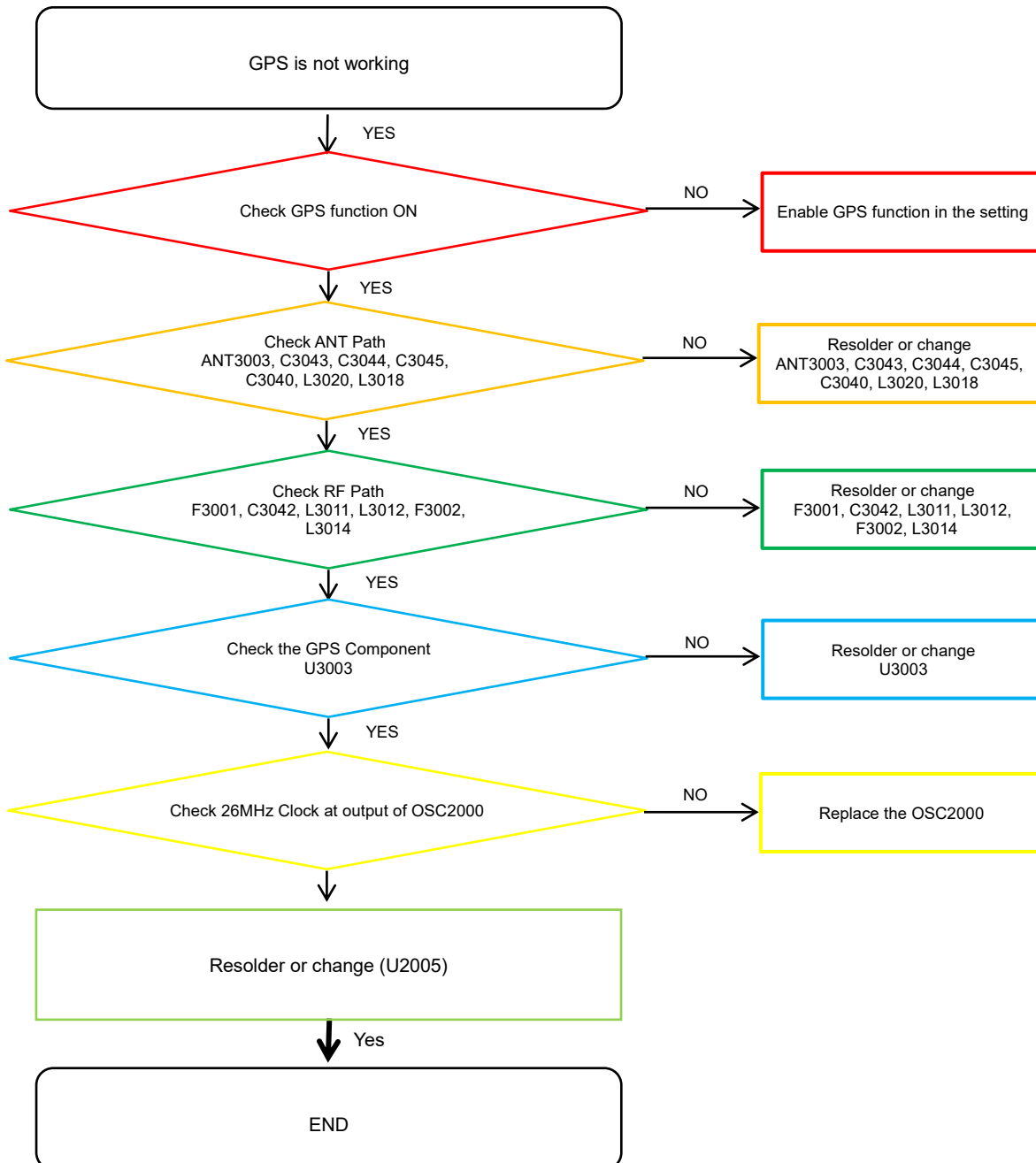
## 8. Level 3 Repair

### 8-4-17. BT/WIFI



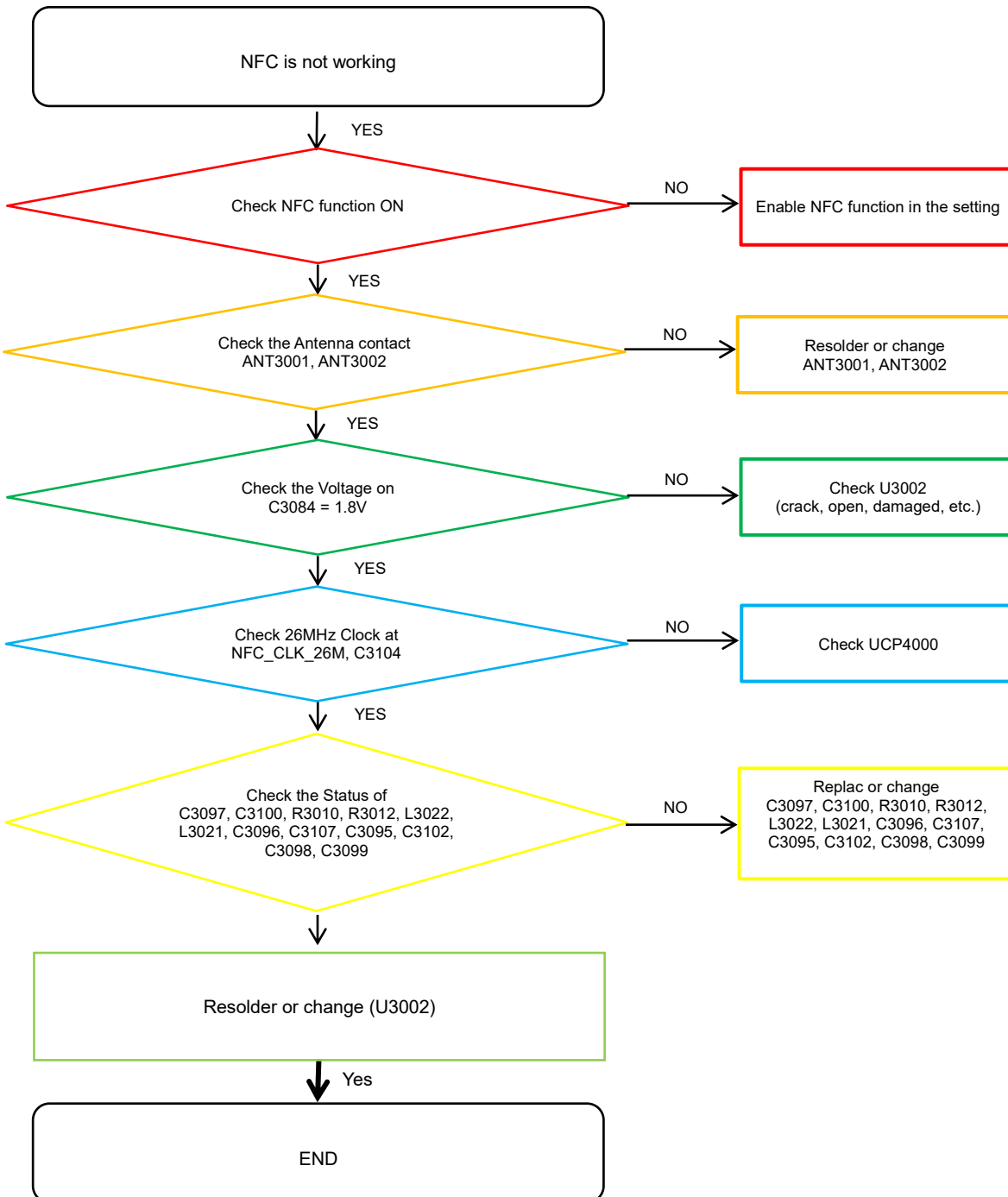
## 8. Level 3 Repair

### 8-7-18. GPS



## 8. Level 3 Repair

### 8-4-19. NFC

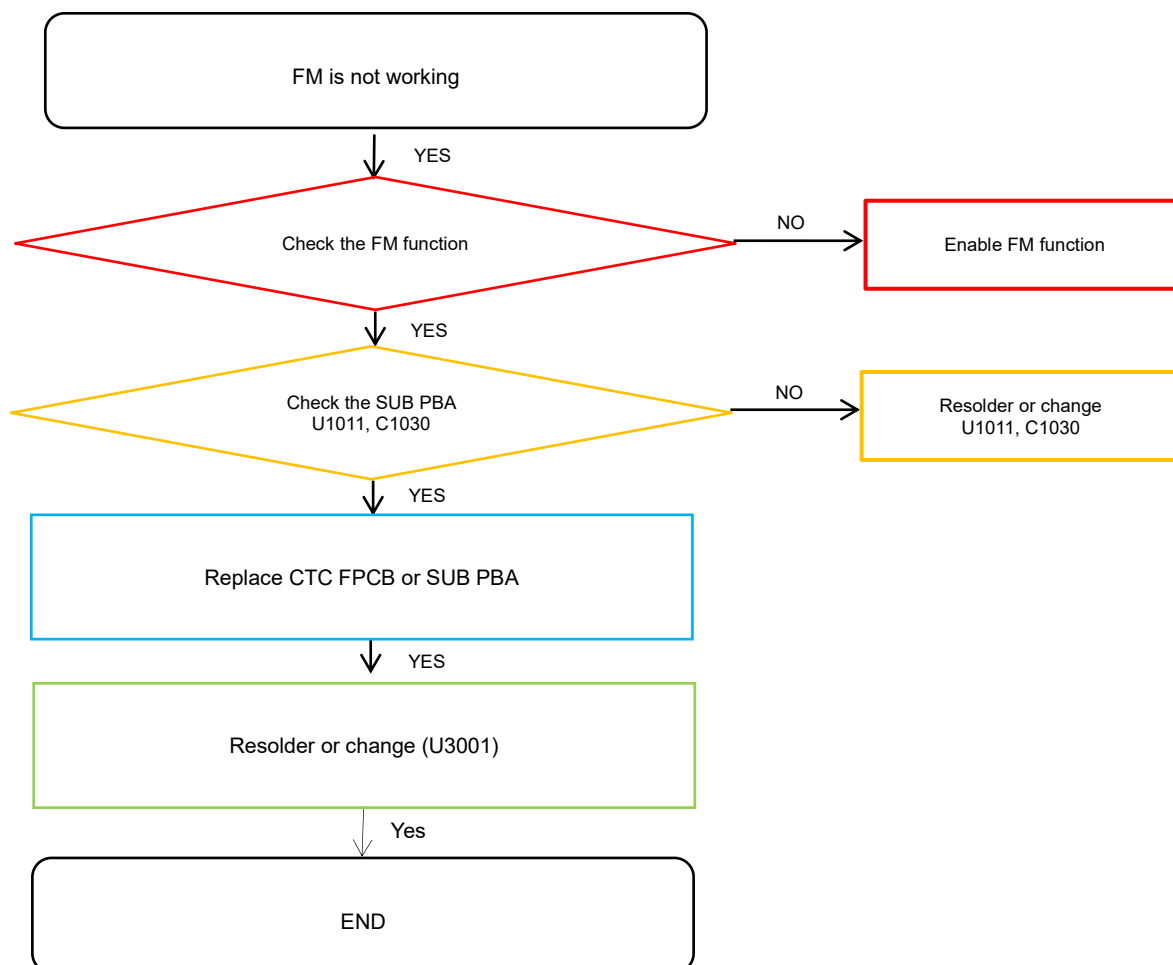


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## 8. Level 3 Repair

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### 8-4-20. FM radio part

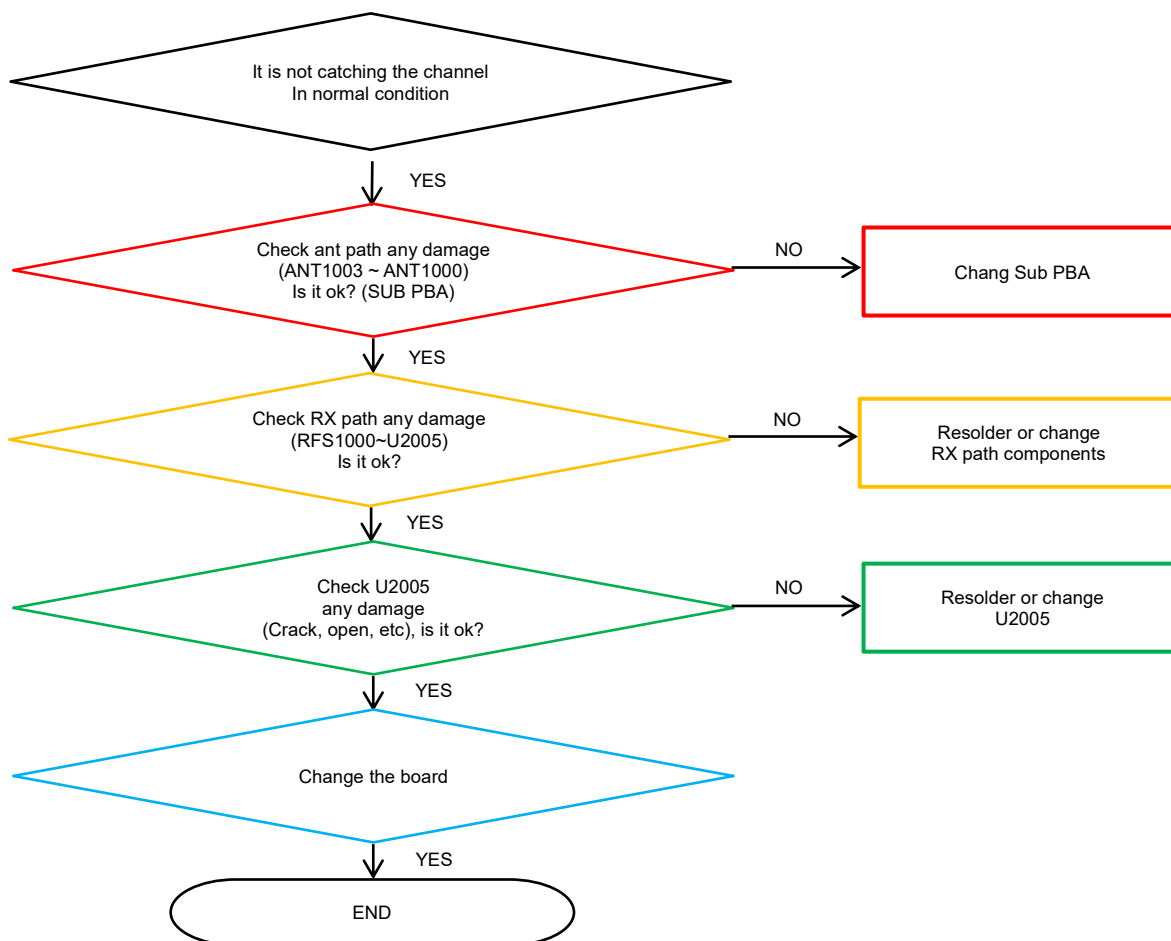


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## 8. Level 3 Repair

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### 8-4-21. GSM 850/900/DCS/PCS, WCDMA B1/2/4/5/8, LTE 1/2/3/4/5/7/8/12/17/20/26/28/66 PRx

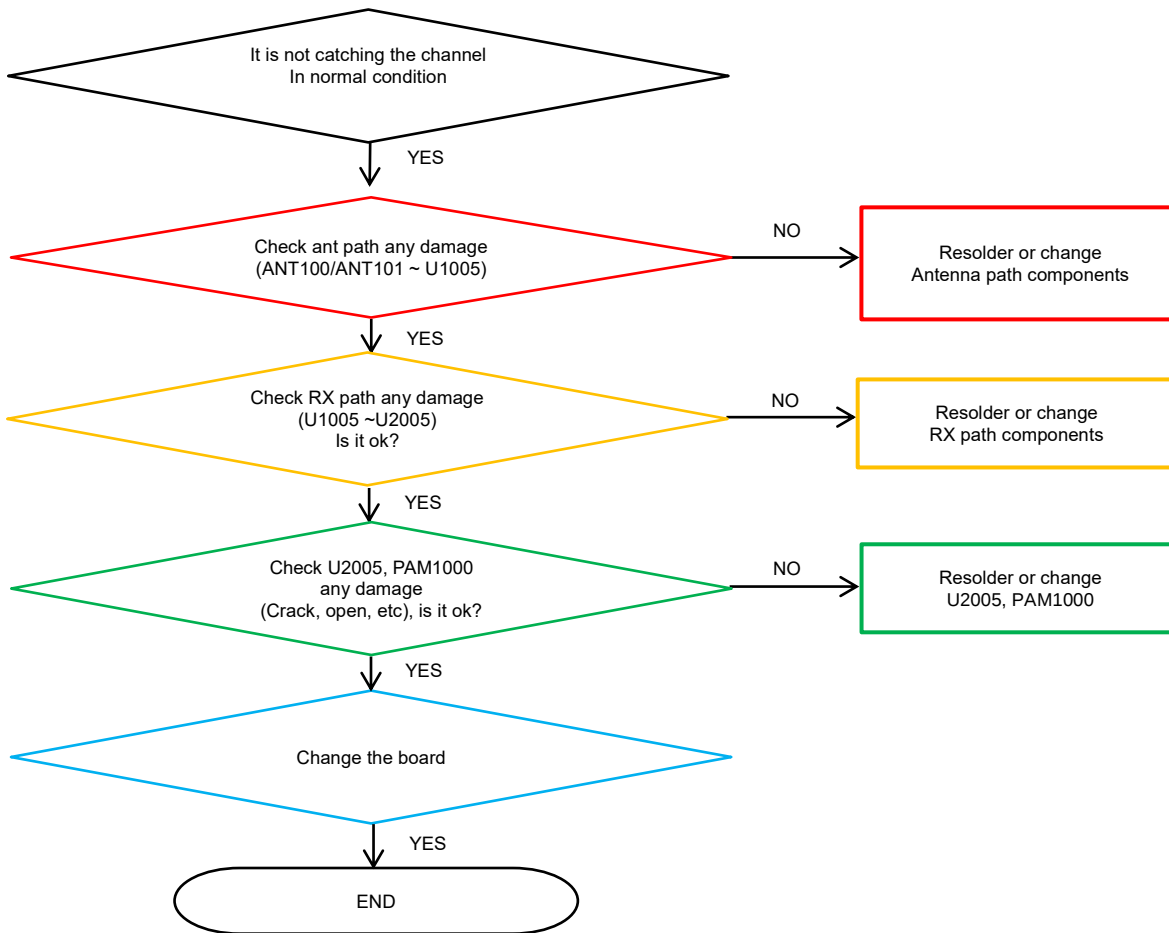


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## 8. Level 3 Repair

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### 8-4-22. LTE 7/38/40/41 PRx

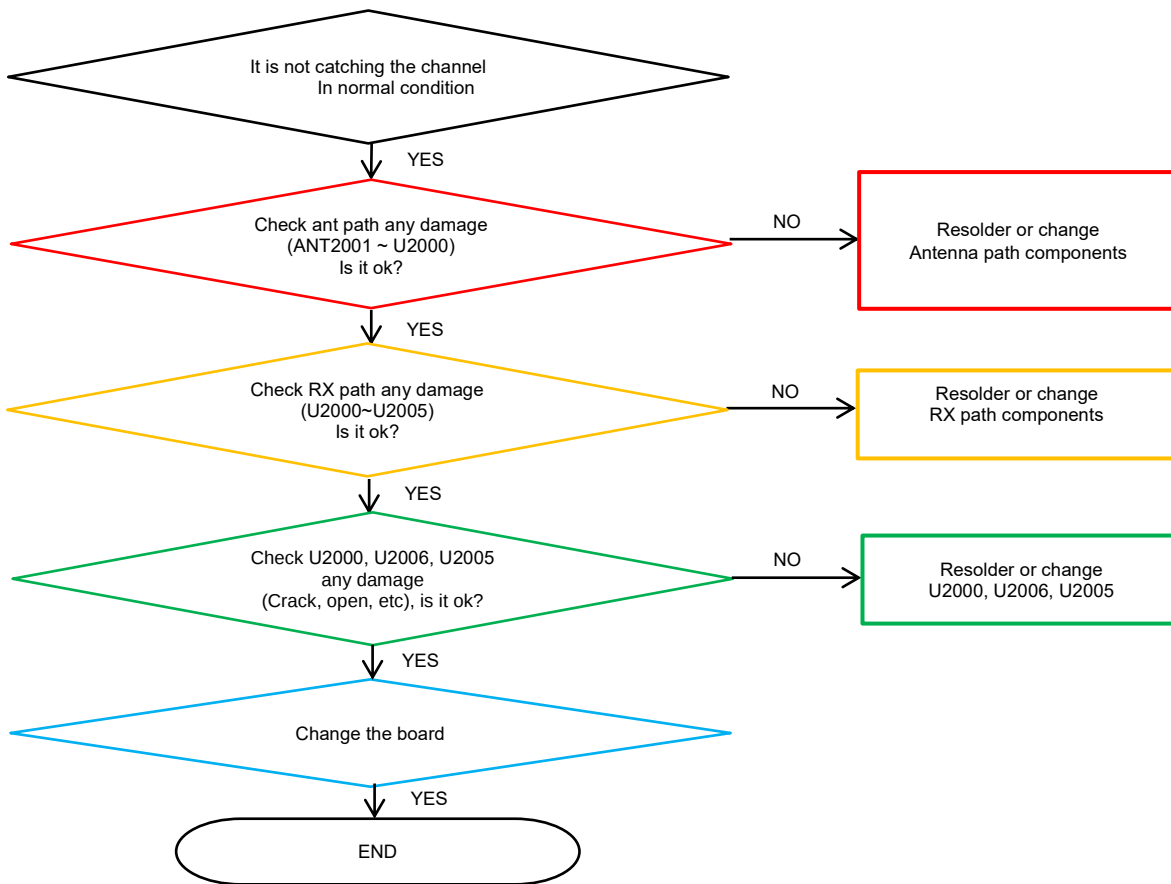


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## 8. Level 3 Repair

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### 8-4-23. WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/7/8/12/17/20/28/38/40/41/66 DRx

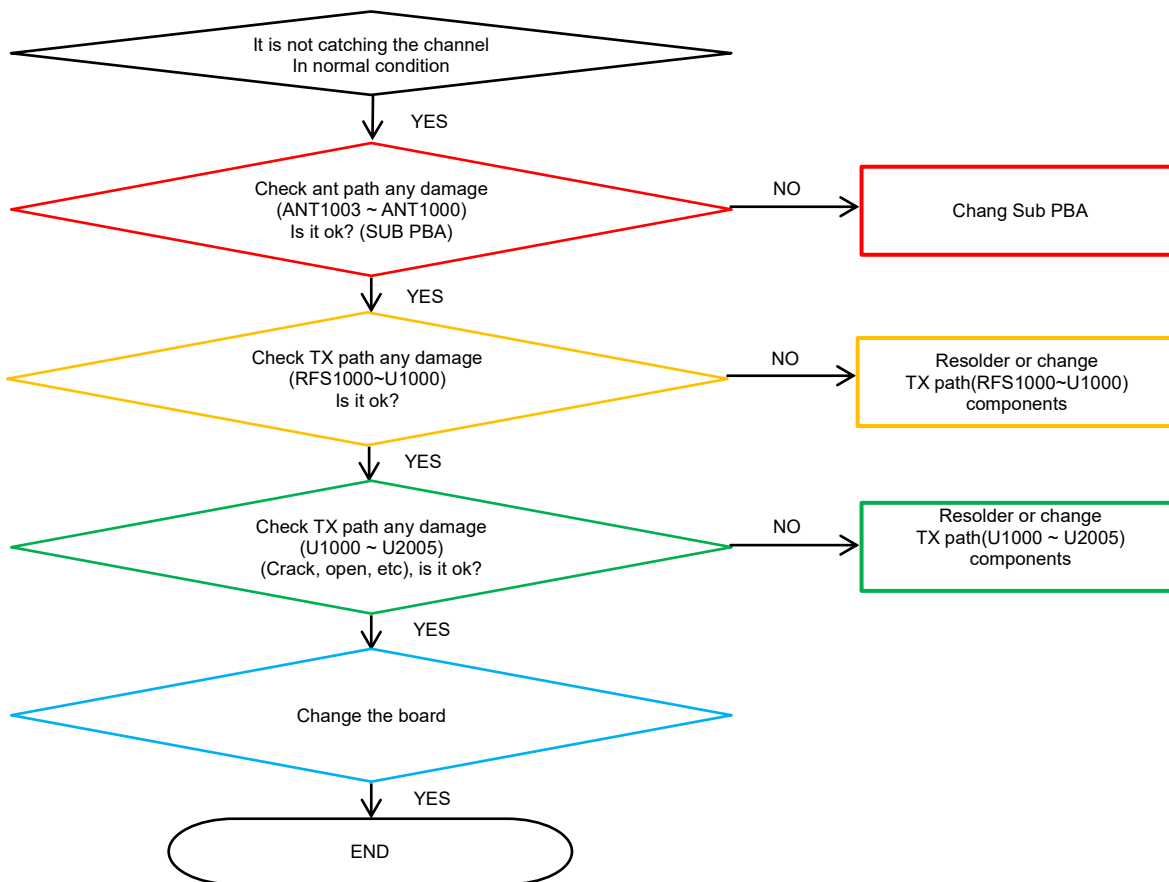


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## 8. Level 3 Repair

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### 8-4-24. GSM 850/900/DCS/PCS, WCDMA B1/2/3/5/8, LTE 1/2/3/4/5/8/12/17/20/26/28/66 Tx

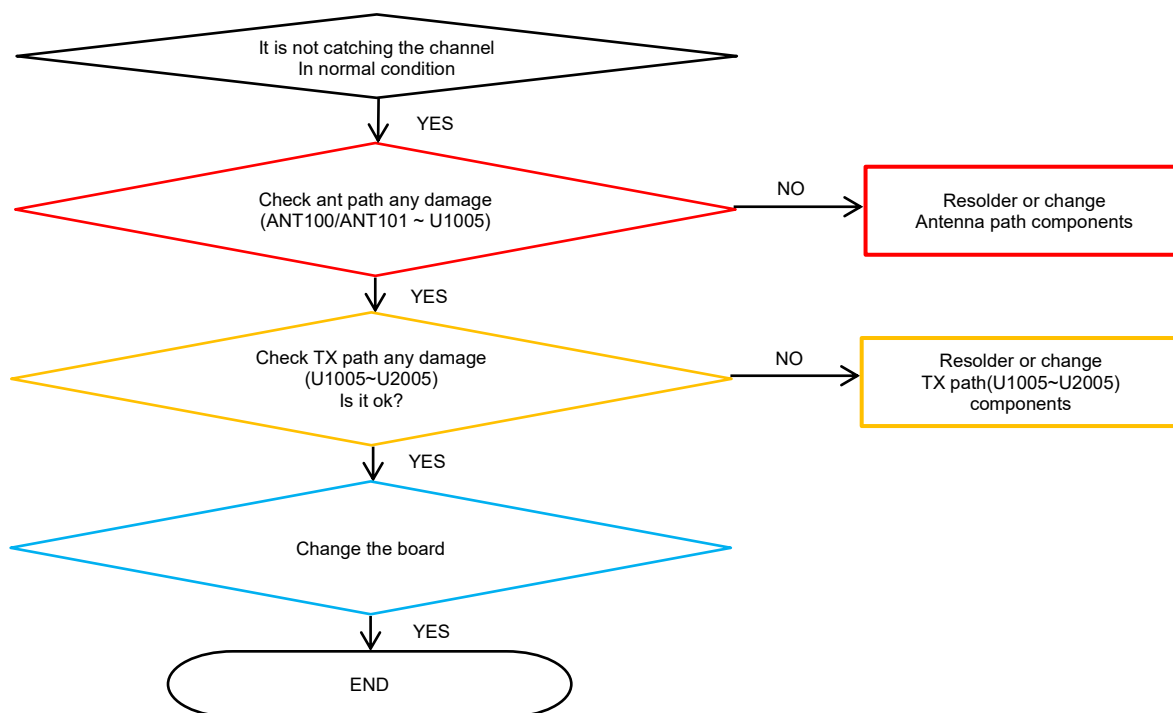


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## 8. Level 3 Repair

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### 8-4-25. LTE B7/38/40/41 Tx



## 5. MAIN Electrical Parts List

### [SM-A127F]

| Parts Code  | Design LOC           | Description    |
|-------------|----------------------|----------------|
| 0404-001646 | D6000                | DIODE-SCHOTTKY |
| 0406-001592 | ZD3000               | DIODE-TVS      |
| 0406-001728 | ZD1000               | DIODE-TVS      |
| 0406-001808 | D6001                | DIODE-SCHOTTKY |
| 0406-001860 | ZD5000               | DIODE-TVS      |
| 0406-001873 | ZD6000,ZD6001        | DIODE-TVS      |
| 0505-003234 | Q5000                | IC             |
| 0601-003881 | LED5000              | IC             |
| 1001-001755 | U7007,U7010          | IC             |
| 1001-001977 | U2000                | IC             |
| 1001-002078 | U2003                | IC             |
| 1001-002101 | U1001                | IC             |
| 1001-002102 | U7000                | IC             |
| 1003-002802 | U2007                | IC             |
| 1108-000678 | UME5000              | IC             |
| 1201-003869 | U3003                | IC             |
| 1201-004135 | U1000                | IC             |
| 1201-004271 | U6000                | IC             |
| 1201-004273 | PAM1000              | IC             |
| 1203-008693 | U2001                | IC             |
| 1203-008859 | U7012                | IC             |
| 1203-008864 | U7013                | IC             |
| 1203-008865 | U7003,U7006          | IC             |
| 1203-008867 | U3000,U7002,U7005    | IC             |
| 1203-009157 | U7004                | IC             |
| 1203-009252 | U6001                | IC             |
| 1203-009417 | U5000                | IC             |
| 1203-009470 | U5003                | IC             |
| 1203-009557 | U7001                | IC             |
| 1203-009575 | U6002                | IC             |
| 1205-005806 | U2005                | IC             |
| 1205-005860 | U3001                | IC             |
| 1205-006287 | UCP4000              | IC             |
| 1205-006465 | U3002                | IC             |
| 1209-002645 | U3004                | IC             |
| 1209-002750 | U2002                | IC             |
| 1404-001724 | TH1000,TH4000,TH5000 | IC             |

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## 5. MAIN Electrical Parts List

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|             |                   |        |
|-------------|-------------------|--------|
| 2007-000141 | R6008             | R-CHIP |
| 2007-000148 | R3007,R3008       | R-CHIP |
| 2007-003015 | R6012,R6014       | R-CHIP |
| 2007-007142 | R6013             | R-CHIP |
| 2007-007190 | R6010,R6011       | R-CHIP |
| 2007-007311 | R6028             | R-CHIP |
| 2007-007741 | R5001,R5003       | R-CHIP |
| 2007-008052 | R4026,R4030,R4036 | R-CHIP |
| 2007-008052 | R6016             | R-CHIP |
| 2007-008055 | R4002,R5011       | R-CHIP |
| 2007-008419 | R4027             | R-CHIP |
| 2007-008483 | R5013,R5014       | R-CHIP |
| 2007-008486 | R5006,R5007,R5008 | R-CHIP |
| 2007-008486 | R5009,R5010       | R-CHIP |
| 2007-008516 | R4005,R5015,R5016 | R-CHIP |
| 2007-008516 | R5022,R5025       | R-CHIP |
| 2007-008531 | R5024,R7000,R7001 | R-CHIP |
| 2007-008531 | R7002,R7003,R7004 | R-CHIP |
| 2007-008579 | R1006,R1007       | R-CHIP |
| 2007-008587 | R1004             | R-CHIP |
| 2007-008588 | R2000,R4008,R4010 | R-CHIP |
| 2007-008588 | R4011,R4012,R4013 | R-CHIP |
| 2007-008588 | R4014,R4015,R4018 | R-CHIP |
| 2007-008588 | R4022,R4023,R4024 | R-CHIP |
| 2007-008588 | R4025,R4038,R4039 | R-CHIP |
| 2007-008647 | R1002             | R-CHIP |
| 2007-008800 | R6025             | R-CHIP |
| 2007-008806 | R1000,R2002       | R-CHIP |
| 2007-009111 | R5026             | R-CHIP |
| 2007-009115 | R1005             | R-CHIP |
| 2007-009157 | R1003,R4004,R5052 | R-CHIP |
| 2007-009212 | R6021             | R-CHIP |
| 2007-009315 | R6030             | R-CHIP |
| 2007-009361 | R1001,R5021,R6001 | R-CHIP |
| 2007-009361 | R6002,R6003,R6004 | R-CHIP |
| 2007-009361 | R6005             | R-CHIP |
| 2007-009408 | R6022             | R-CHIP |
| 2007-009410 | R6009             | R-CHIP |
| 2007-009766 | R3000             | R-CHIP |

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## 5. MAIN Electrical Parts List

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|             |                   |                |
|-------------|-------------------|----------------|
| 2007-009793 | R6026             | R-CHIP         |
| 2007-009866 | R6027             | R-CHIP         |
| 2007-009920 | R4000,R5019,R5020 | R-CHIP         |
| 2007-009969 | R3010,R3012,R6023 | R-CHIP         |
| 2007-011043 | R4001             | R-CHIP         |
| 2007-011532 | R6024             | R-CHIP         |
| 2007-012068 | R5000,R5004       | R-CHIP         |
| 2203-000233 | C3098,C6006       | C-CERAMIC,CHIP |
| 2203-000278 | C6027             | C-CERAMIC,CHIP |
| 2203-000585 | C5069,C5070       | C-CERAMIC,CHIP |
| 2203-000812 | C6005             | C-CERAMIC,CHIP |
| 2203-001072 | C3099             | C-CERAMIC,CHIP |
| 2203-001239 | C3095,C3102       | C-CERAMIC,CHIP |
| 2203-005344 | C5063             | C-CERAMIC,CHIP |
| 2203-005682 | C1004,C1039,C1049 | C-CERAMIC,CHIP |
| 2203-005682 | C1097,C1103,C2058 | C-CERAMIC,CHIP |
| 2203-005682 | C3004,C4054,C5033 | C-CERAMIC,CHIP |
| 2203-005682 | C5092,C5093,C5095 | C-CERAMIC,CHIP |
| 2203-005682 | C5096,C5097,C5098 | C-CERAMIC,CHIP |
| 2203-005682 | C5108,C5123,C6011 | C-CERAMIC,CHIP |
| 2203-005682 | C6012,C6016,C6020 | C-CERAMIC,CHIP |
| 2203-005717 | C1092             | C-CERAMIC,CHIP |
| 2203-005725 | C2076,C7002,C7003 | C-CERAMIC,CHIP |
| 2203-005725 | C7013             | C-CERAMIC,CHIP |
| 2203-005726 | C1000             | C-CERAMIC,CHIP |
| 2203-005727 | C1034,C1079       | C-CERAMIC,CHIP |
| 2203-005729 | C1021,C6032,C6035 | C-CERAMIC,CHIP |
| 2203-005729 | C6043,C6051       | C-CERAMIC,CHIP |
| 2203-005731 | C2052             | C-CERAMIC,CHIP |
| 2203-005732 | C5040,C6031,C6041 | C-CERAMIC,CHIP |
| 2203-005732 | C6045,C6050       | C-CERAMIC,CHIP |
| 2203-005736 | C1010,C1014,C1017 | C-CERAMIC,CHIP |
| 2203-005736 | C1020,C1033,C1041 | C-CERAMIC,CHIP |
| 2203-005736 | C1042,C1044,C1046 | C-CERAMIC,CHIP |
| 2203-005736 | C1062,C1088,C1114 | C-CERAMIC,CHIP |
| 2203-005736 | C1117,C1122,C1123 | C-CERAMIC,CHIP |
| 2203-005736 | C1124,C2000,C2002 | C-CERAMIC,CHIP |
| 2203-005736 | C2009,C2014,C2015 | C-CERAMIC,CHIP |
| 2203-005736 | C2031,C2056,C2059 | C-CERAMIC,CHIP |

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## 5. MAIN Electrical Parts List

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|             |                   |                |
|-------------|-------------------|----------------|
| 2203-005736 | C2060,C2064,C2065 | C-CERAMIC,CHIP |
| 2203-005736 | C2068,C2077,C3021 | C-CERAMIC,CHIP |
| 2203-005736 | C3026,C3037,C3042 | C-CERAMIC,CHIP |
| 2203-005736 | C3043,C3044,C6015 | C-CERAMIC,CHIP |
| 2203-005736 | C6021,L2015       | C-CERAMIC,CHIP |
| 2203-005777 | C1005,C1022,C1059 | C-CERAMIC,CHIP |
| 2203-005777 | C2023             | C-CERAMIC,CHIP |
| 2203-005789 | C1016,C1026,C1030 | C-CERAMIC,CHIP |
| 2203-005789 | C1035,C1045,C1057 | C-CERAMIC,CHIP |
| 2203-005789 | C1060,C1095,C1098 | C-CERAMIC,CHIP |
| 2203-005789 | C2036             | C-CERAMIC,CHIP |
| 2203-005792 | C1031             | C-CERAMIC,CHIP |
| 2203-005806 | C1036,C1100,C2073 | C-CERAMIC,CHIP |
| 2203-005806 | C3038,C4013,C4016 | C-CERAMIC,CHIP |
| 2203-005806 | C5099             | C-CERAMIC,CHIP |
| 2203-006048 | C5085             | C-CERAMIC,CHIP |
| 2203-006121 | C6000,C6040,C6042 | C-CERAMIC,CHIP |
| 2203-006121 | C6046,C6048       | C-CERAMIC,CHIP |
| 2203-006123 | C2021             | C-CERAMIC,CHIP |
| 2203-006187 | C1058             | C-CERAMIC,CHIP |
| 2203-006194 | C5145             | C-CERAMIC,CHIP |
| 2203-006305 | C1024,C1069,C1087 | C-CERAMIC,CHIP |
| 2203-006318 | C1001,C1002,C1008 | C-CERAMIC,CHIP |
| 2203-006318 | C1018,C1037,C1054 | C-CERAMIC,CHIP |
| 2203-006318 | C2022             | C-CERAMIC,CHIP |
| 2203-006379 | C6010             | C-CERAMIC,CHIP |
| 2203-006400 | C2050,C2054,C3011 | C-CERAMIC,CHIP |
| 2203-006400 | C3097,C3100,C4027 | C-CERAMIC,CHIP |
| 2203-006400 | C5151,C6033       | C-CERAMIC,CHIP |
| 2203-006410 | C2035             | C-CERAMIC,CHIP |
| 2203-006423 | C2026,C2043,C3050 | C-CERAMIC,CHIP |
| 2203-006423 | C3086,C5044,C5057 | C-CERAMIC,CHIP |
| 2203-006423 | C5100,C5102,C5144 | C-CERAMIC,CHIP |
| 2203-006423 | C5149,C6049       | C-CERAMIC,CHIP |
| 2203-006556 | C5034,C6024,C6025 | C-CERAMIC,CHIP |
| 2203-006604 | C1053,C3046       | C-CERAMIC,CHIP |
| 2203-006611 | C1113             | C-CERAMIC,CHIP |
| 2203-006648 | C6044             | C-CERAMIC,CHIP |
| 2203-006665 | C1056             | C-CERAMIC,CHIP |

## 5. MAIN Electrical Parts List

|             |                   |                |
|-------------|-------------------|----------------|
| 2203-006668 | C4043,C6013,C6014 | C-CERAMIC,CHIP |
| 2203-006707 | C1051             | C-CERAMIC,CHIP |
| 2203-006839 | C3093             | C-CERAMIC,CHIP |
| 2203-006841 | C2063,C6002,C6023 | C-CERAMIC,CHIP |
| 2203-006841 | C7016,C7027,C7031 | C-CERAMIC,CHIP |
| 2203-006841 | C7035,C7040,C7044 | C-CERAMIC,CHIP |
| 2203-006846 | C1019,C1048       | C-CERAMIC,CHIP |
| 2203-006872 | C2069,C3000,C3001 | C-CERAMIC,CHIP |
| 2203-006872 | C3002,C3009,C3012 | C-CERAMIC,CHIP |
| 2203-006872 | C3048,C3087,C4009 | C-CERAMIC,CHIP |
| 2203-006872 | C4037,C4040,C4047 | C-CERAMIC,CHIP |
| 2203-006872 | C5003,C5004,C5006 | C-CERAMIC,CHIP |
| 2203-006872 | C5009,C5015,C5020 | C-CERAMIC,CHIP |
| 2203-006872 | C5026,C5036,C5141 | C-CERAMIC,CHIP |
| 2203-006872 | C5142,C7041       | C-CERAMIC,CHIP |
| 2203-006968 | C1007,C1050       | C-CERAMIC,CHIP |
| 2203-006979 | C2020,C2034       | C-CERAMIC,CHIP |
| 2203-007194 | C1093             | C-CERAMIC,CHIP |
| 2203-007271 | C1009,C1011,C5041 | C-CERAMIC,CHIP |
| 2203-007271 | C5049,C5058,C5060 | C-CERAMIC,CHIP |
| 2203-007271 | C5064,C6022       | C-CERAMIC,CHIP |
| 2203-007279 | C1015,C2005,C5022 | C-CERAMIC,CHIP |
| 2203-007279 | C5023,C5067,C5068 | C-CERAMIC,CHIP |
| 2203-007279 | C5071,C5076,C5077 | C-CERAMIC,CHIP |
| 2203-007279 | C5078,C7000,C7007 | C-CERAMIC,CHIP |
| 2203-007295 | C2024             | C-CERAMIC,CHIP |
| 2203-007317 | C2066             | C-CERAMIC,CHIP |
| 2203-007391 | C1099,C2040,C2055 | C-CERAMIC,CHIP |
| 2203-007391 | C3013             | C-CERAMIC,CHIP |
| 2203-007393 | C2008,C2019,C2033 | C-CERAMIC,CHIP |
| 2203-007393 | C3003,C3014,C3092 | C-CERAMIC,CHIP |
| 2203-007393 | C3094,C4024,C4051 | C-CERAMIC,CHIP |
| 2203-007393 | C4053,C4063,C5005 | C-CERAMIC,CHIP |
| 2203-007393 | C5014,C5021,C5030 | C-CERAMIC,CHIP |
| 2203-007393 | C5037,C5045,C5051 | C-CERAMIC,CHIP |
| 2203-007393 | C5052,C5053,C5062 | C-CERAMIC,CHIP |
| 2203-007393 | C5079,C5080,C5081 | C-CERAMIC,CHIP |
| 2203-007393 | C5082,C5094,C5101 | C-CERAMIC,CHIP |
| 2203-007393 | C5103,C5107,C5111 | C-CERAMIC,CHIP |

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## 5. MAIN Electrical Parts List

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|             |                   |                |
|-------------|-------------------|----------------|
| 2203-007393 | C5116,C5117,C5135 | C-CERAMIC,CHIP |
| 2203-007393 | C5136,C5137,C5146 | C-CERAMIC,CHIP |
| 2203-007393 | C5150,C7005,C7006 | C-CERAMIC,CHIP |
| 2203-007393 | C7010             | C-CERAMIC,CHIP |
| 2203-007425 | C5047             | C-CERAMIC,CHIP |
| 2203-007456 | C2010,C6029       | C-CERAMIC,CHIP |
| 2203-007781 | C5061,C5065       | C-CERAMIC,CHIP |
| 2203-007796 | C1040,C2004,C2007 | C-CERAMIC,CHIP |
| 2203-007796 | C2017,C2027,C2030 | C-CERAMIC,CHIP |
| 2203-007796 | C2039,C2044,C3006 | C-CERAMIC,CHIP |
| 2203-007796 | C3007,C3008,C3049 | C-CERAMIC,CHIP |
| 2203-007796 | C3084,C4000,C4001 | C-CERAMIC,CHIP |
| 2203-007796 | C4002,C4003,C4004 | C-CERAMIC,CHIP |
| 2203-007796 | C4005,C4006,C4007 | C-CERAMIC,CHIP |
| 2203-007796 | C4008,C4010,C4011 | C-CERAMIC,CHIP |
| 2203-007796 | C4012,C4014,C4015 | C-CERAMIC,CHIP |
| 2203-007796 | C4017,C4019,C4025 | C-CERAMIC,CHIP |
| 2203-007796 | C4026,C4028,C4029 | C-CERAMIC,CHIP |
| 2203-007796 | C4030,C4031,C4032 | C-CERAMIC,CHIP |
| 2203-007796 | C4033,C4034,C4035 | C-CERAMIC,CHIP |
| 2203-007796 | C4036,C4038,C4039 | C-CERAMIC,CHIP |
| 2203-007796 | C4041,C4042,C4045 | C-CERAMIC,CHIP |
| 2203-007796 | C4046,C4048,C4049 | C-CERAMIC,CHIP |
| 2203-007796 | C4050,C4055,C4056 | C-CERAMIC,CHIP |
| 2203-007796 | C4058,C4059,C4060 | C-CERAMIC,CHIP |
| 2203-007796 | C4061,C4064,C4065 | C-CERAMIC,CHIP |
| 2203-007796 | C5017,C5019,C5027 | C-CERAMIC,CHIP |
| 2203-007796 | C5028,C5054,C5073 | C-CERAMIC,CHIP |
| 2203-007796 | C5086,C5087,C5088 | C-CERAMIC,CHIP |
| 2203-007796 | C5089,C5090,C5091 | C-CERAMIC,CHIP |
| 2203-007796 | C5105,C5106,C5109 | C-CERAMIC,CHIP |
| 2203-007796 | C5110,C5119,C5120 | C-CERAMIC,CHIP |
| 2203-007796 | C5121,C5122,C5130 | C-CERAMIC,CHIP |
| 2203-007796 | C5131,C5132,C5133 | C-CERAMIC,CHIP |
| 2203-007796 | C5138,C5139,C5140 | C-CERAMIC,CHIP |
| 2203-007796 | C6026,C6030,C6036 | C-CERAMIC,CHIP |
| 2203-007796 | C7004,C7008,C7011 | C-CERAMIC,CHIP |
| 2203-007796 | C7012,C7017,C7018 | C-CERAMIC,CHIP |
| 2203-007796 | C7020,C7021,C7022 | C-CERAMIC,CHIP |

## 5. MAIN Electrical Parts List

|             |                   |                |
|-------------|-------------------|----------------|
| 2203-007796 | C7024,C7025,C7028 | C-CERAMIC,CHIP |
| 2203-007796 | C7029,C7030,C7032 | C-CERAMIC,CHIP |
| 2203-007796 | C7033,C7034,C7042 | C-CERAMIC,CHIP |
| 2203-007796 | C7043,C7045       | C-CERAMIC,CHIP |
| 2203-008097 | C6038             | C-CERAMIC,CHIP |
| 2203-008242 | C5039,C5046,C5055 | C-CERAMIC,CHIP |
| 2203-008242 | C5143             | C-CERAMIC,CHIP |
| 2203-008243 | C4018,C4020,C4021 | C-CERAMIC,CHIP |
| 2203-008243 | C4022,C4023       | C-CERAMIC,CHIP |
| 2203-008394 | C1115,C2025,C3022 | C-CERAMIC,CHIP |
| 2203-008394 | C3023,C3045       | C-CERAMIC,CHIP |
| 2203-008572 | C5056             | C-CERAMIC,CHIP |
| 2203-008654 | C6028             | C-CERAMIC,CHIP |
| 2203-008749 | C6003,C6004       | C-CERAMIC,CHIP |
| 2203-008860 | C6037             | C-CERAMIC,CHIP |
| 2203-008876 | C1116,C1118,C6047 | C-CERAMIC,CHIP |
| 2203-009167 | C3096,C3107       | C-CERAMIC,CHIP |
| 2203-009328 | C4052,C4057       | C-CERAMIC,CHIP |
| 2203-009537 | C5000,C5001,C5002 | C-CERAMIC,CHIP |
| 2203-009618 | C6034,C6039       | C-CERAMIC,CHIP |
| 2203-009733 | C7009,C7023,C7026 | C-CERAMIC,CHIP |
| 2203-009736 | C2041,C2042       | C-CERAMIC,CHIP |
| 2203-009970 | C6007,C6008,C6009 | C-CERAMIC,CHIP |
| 2203-009970 | C6017,C6018,C6019 | C-CERAMIC,CHIP |
| 2203-010085 | C4062,C5042,C5050 | C-CERAMIC,CHIP |
| 2203-010085 | C5059             | C-CERAMIC,CHIP |
| 2703-002649 | L1033,L1043,L2020 | C-CERAMIC,CHIP |
| 2703-002649 | L2030,L2031,L3007 | C-CERAMIC,CHIP |
| 2703-002858 | L1023,L2026       | C-CERAMIC,CHIP |
| 2703-002907 | L1004,L1071,L1074 | C-CERAMIC,CHIP |
| 2703-002907 | L3014             | C-CERAMIC,CHIP |
| 2703-002959 | L1024,L2006,L2014 | C-CERAMIC,CHIP |
| 2703-002959 | L3013,L3015       | C-CERAMIC,CHIP |
| 2703-003970 | L1049,L2033       | C-CERAMIC,CHIP |
| 2703-004012 | C3040,L1009,L1054 | C-CERAMIC,CHIP |
| 2703-004012 | L2029             | C-CERAMIC,CHIP |
| 2703-004013 | L1041,L1053       | C-CERAMIC,CHIP |
| 2703-004014 | C2003,L1000,L1014 | C-CERAMIC,CHIP |
| 2703-004014 | L1077             | INDUCTOR-SMD   |

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## 5. MAIN Electrical Parts List

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|             |                   |              |
|-------------|-------------------|--------------|
| 2703-004018 | L1008,L1044,L1056 | INDUCTOR-SMD |
| 2703-004018 | L2051,L3005       | INDUCTOR-SMD |
| 2703-004032 | L1010,L1015,L1026 | INDUCTOR-SMD |
| 2703-004032 | L1038,L1045,L1058 | INDUCTOR-SMD |
| 2703-004032 | L1085,L2048       | INDUCTOR-SMD |
| 2703-004033 | L1030,L1072       | INDUCTOR-SMD |
| 2703-004034 | L2035,L2049,L3003 | INDUCTOR-SMD |
| 2703-004035 | L1020,L1027,L1035 | INDUCTOR-SMD |
| 2703-004035 | L1040,L1080,L1081 | INDUCTOR-SMD |
| 2703-004035 | L1082,L2052       | INDUCTOR-SMD |
| 2703-004036 | L1007,L1068,L2012 | INDUCTOR-SMD |
| 2703-004036 | L2023,L3011       | INDUCTOR-SMD |
| 2703-004037 | L1003,L1037,L1078 | INDUCTOR-SMD |
| 2703-004037 | L1084,L2021,L2025 | INDUCTOR-SMD |
| 2703-004038 | L1066,L1073,L2016 | INDUCTOR-SMD |
| 2703-004038 | L3012             | INDUCTOR-SMD |
| 2703-004286 | L2017,L2018       | INDUCTOR-SMD |
| 2703-004328 | L2022,L3020       | INDUCTOR-SMD |
| 2703-004363 | L1022,L1070,L2019 | INDUCTOR-SMD |
| 2703-004363 | L2036,L2041       | INDUCTOR-SMD |
| 2703-004368 | L1050,L1059,L2013 | INDUCTOR-SMD |
| 2703-004368 | L2037             | INDUCTOR-SMD |
| 2703-004408 | L1017,L2028       | INDUCTOR-SMD |
| 2703-004763 | L1001,L1021       | INDUCTOR-SMD |
| 2703-004764 | L1032,L1069,L2005 | INDUCTOR-SMD |
| 2703-004764 | L2038,L2042,L2056 | INDUCTOR-SMD |
| 2703-004853 | L1013,L1039,L1048 | INDUCTOR-SMD |
| 2703-004862 | L1005             | INDUCTOR-SMD |
| 2703-004947 | L2007             | INDUCTOR-SMD |
| 2703-005058 | L1046,L2050       | INDUCTOR-SMD |
| 2703-005066 | L6008             | INDUCTOR-SMD |
| 2703-005085 | L1036             | INDUCTOR-SMD |
| 2703-005116 | L6001             | INDUCTOR-SMD |
| 2703-005118 | L6000             | INDUCTOR-SMD |
| 2703-005201 | L5005             | INDUCTOR-SMD |
| 2703-005366 | L1031,L1076       | INDUCTOR-SMD |
| 2703-005555 | L3021,L3022       | INDUCTOR-SMD |
| 2703-005581 | L5003,L5004       | INDUCTOR-SMD |
| 2703-005685 | L5001,L5002       | INDUCTOR-SMD |

## 5. MAIN Electrical Parts List

|             |                   |                   |
|-------------|-------------------|-------------------|
| 2703-005689 | L5006             | INDUCTOR-SMD      |
| 2703-005718 | L3008,L3018       | INDUCTOR-SMD      |
| 2703-005868 | L1025,L1051,L1060 | INDUCTOR-SMD      |
| 2703-005868 | L1063             | INDUCTOR-SMD      |
| 2703-005869 | L1029,L1034       | INDUCTOR-SMD      |
| 2801-005393 | OSC5000           | OSC               |
| 2805-001118 | OSC2000           | OSC               |
| 2904-002143 | F1014,F2000       | FILTER-SAW        |
| 2904-002190 | F2001             | FILTER-SAW        |
| 2904-002257 | F2002             | FILTER-SAW        |
| 2904-002269 | F1004             | FILTER-SAW        |
| 2904-002280 | F2005             | FILTER-SAW        |
| 2904-002368 | F2006             | FILTER-SAW        |
| 2904-002381 | F3000             | FILTER-SAW        |
| 2904-002417 | F3001,F3002       | FILTER-SAW        |
| 2904-002435 | F2004             | FILTER-SAW        |
| 2904-002438 | F2003             | FILTER-SAW        |
| 2910-000301 | F1001             | FILTER-SAW        |
| 2910-000379 | F1005             | FILTER-SAW        |
| 2910-000385 | F1003             | FILTER-SAW        |
| 2910-000417 | F1012             | FILTER-SAW        |
| 2910-000420 | F1002             | FILTER-SAW        |
| 2910-000430 | F1008             | FILTER-SAW        |
| 2911-000485 | U2006             | IC                |
| 2911-000495 | U1005             | IC                |
| 3003-001215 | MIC6000           | MIC               |
| 3301-001895 | L3009             | INDUCTOR-SMD      |
| 3301-002085 | R6020             | R-CHIP            |
| 3301-002122 | L2002,L2003,L6002 | INDUCTOR-SMD      |
| 3301-002122 | L6013,L6014       | INDUCTOR-SMD      |
| 3301-002237 | L2055,L2060       | INDUCTOR-SMD      |
| 3301-002238 | L3010,L6005,L6007 | INDUCTOR-SMD      |
| 3301-002242 | L2054             | INDUCTOR-SMD      |
| 3301-002243 | R6006,R6007       | R-CHIP            |
| 3301-002254 | R6000             | R-CHIP            |
| 3301-002331 | L5000             | INDUCTOR-SMD      |
| 3705-001708 | CON1000           | CONNECTOR         |
| 3705-001937 | RFS1000           | CONNECTOR-COAXIAL |
| 3709-001932 | SIM5001           | CONNECTOR-SOCKET  |

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## 5. MAIN Electrical Parts List

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|             |                 |                  |
|-------------|-----------------|------------------|
| 3709-001933 | SIM5002         | CONNECTOR-SOCKET |
| 3709-001934 | SIM5000,SIM5003 | CONNECTOR-SOCKET |
| 3710-003871 | SOC7002         | CONNECTOR-SOCKET |
| 3710-003874 | SOC7003,SOC7004 | CONNECTOR-SOCKET |
| 3710-004008 | SOC5000         | CONNECTOR-SOCKET |
| 3710-004027 | SOC7000,SOC7001 | CONNECTOR-SOCKET |
| 3710-004109 | SOC3000         | CONNECTOR-SOCKET |
| 3710-004501 | SOC6000         | CONNECTOR-SOCKET |
| 3712-001604 | ANT2001,ANT2002 | CONNECTOR        |
| 3712-001604 | ANT3000,ANT3003 | CONNECTOR        |
| 3712-001604 | ANT5000,ANT5001 | CONNECTOR        |
| 3712-001634 | ANT100,ANT101   | CONNECTOR        |
| 3712-001634 | ANT3001,ANT3002 | CONNECTOR        |
| 3712-001666 | ANT5002,ANT5003 | CONNECTOR        |
| 3712-001666 | ANT5004,ANT6000 | CONNECTOR        |
| 3712-001666 | ANT6001         | CONNECTOR        |
| GH02-22115A | SC7000SP        | CONNECTOR        |
| GH62-00028A | CON1003         | CONNECTOR        |
| GH62-00070A | CON1001,CON1002 | CONNECTOR        |
| GH63-19174A | SC7000          | SHIELD CAN       |
| GH63-19175A | SC7001          | SHIELD CAN       |
| GH98-46283A | SC7002          | SHIELD CAN       |
| GH98-46283A | SC7002          | SHIELD CAN       |

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## 5. MAIN Electrical Parts List

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### [SM-A127M]

| Parts Code        | Design LOC  | Description    |
|-------------------|-------------|----------------|
| R5007,R5015,R5031 | 0202-002125 | -              |
| R6016,R6025,R7004 | 0202-002125 | -              |
| R7010,U7015,U7016 | 0202-002125 | -              |
| U2001,U2006,U2008 | 1001-002065 | IC             |
| U2010             | 1001-002065 | IC             |
| U1003             | 1001-002093 | IC             |
| U5007             | 1108-000698 | MEMORY         |
| R4004,R4007,R4008 | 2007-008516 | R-CHIP         |
| R2002,R5009       | 2007-008588 | R-CHIP         |
| C1041,C1077,C1082 | 2203-005736 | C-CERAMIC,CHIP |
| C1094,C1097,C1101 | 2203-005736 | C-CERAMIC,CHIP |
| C1113,C2002,C2003 | 2203-005736 | C-CERAMIC,CHIP |
| C2004,C2011,C2012 | 2203-005736 | C-CERAMIC,CHIP |
| C2013,C2015,C2017 | 2203-005736 | C-CERAMIC,CHIP |
| C3000,C3001,C3011 | 2203-005736 | C-CERAMIC,CHIP |
| C1015,C2041,C5064 | 2203-006400 | C-CERAMIC,CHIP |
| C4054,C5000,C5039 | 2203-006423 | C-CERAMIC,CHIP |
| C5053,C5079,C5082 | 2203-006423 | C-CERAMIC,CHIP |
| C5085,C5087,C5089 | 2203-006423 | C-CERAMIC,CHIP |
| C5092,C5142,C5147 | 2203-006423 | C-CERAMIC,CHIP |
| C5149,C6044       | 2203-006423 | C-CERAMIC,CHIP |
| C5009,C5048,C5049 | 2203-007317 | C-CERAMIC,CHIP |
| C5055,C5096,C5107 | 2203-007317 | C-CERAMIC,CHIP |
| C5112,C5132,C5133 | 2203-007317 | C-CERAMIC,CHIP |
| C5146,C7001,C7003 | 2203-007317 | C-CERAMIC,CHIP |
| C7004,C7010,C7021 | 2203-007317 | C-CERAMIC,CHIP |
| C7022,C7023,C7024 | 2203-007317 | C-CERAMIC,CHIP |
| C7050             | 2203-007317 | C-CERAMIC,CHIP |
| C5022,C5023,C5041 | 2203-007393 | C-CERAMIC,CHIP |
| C5101,C5141,C5144 | 2203-007393 | C-CERAMIC,CHIP |
| C7014             | 2203-007393 | C-CERAMIC,CHIP |
| C3013,C3017,C3046 | 2203-007796 | C-CERAMIC,CHIP |
| C5027,C5083,C6023 | 2203-008860 | C-CERAMIC,CHIP |
| C6048,C7016,C7035 | 2203-008860 | C-CERAMIC,CHIP |
| C7039,C7043,C7045 | 2203-008860 | C-CERAMIC,CHIP |

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## 5. MAIN Electrical Parts List

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|                   |             |                |
|-------------------|-------------|----------------|
| C7046,C7047       | 2203-008860 | C-CERAMIC,CHIP |
| C1031             | 2703-002901 | INDUCTOR-SMD   |
| C1054,C3003,L1022 | 2703-004013 | INDUCTOR-SMD   |
| L1078,L2022       | 2703-004013 | INDUCTOR-SMD   |
| L1003,L1013,L2003 | 2703-004014 | INDUCTOR-SMD   |
| L2031             | 2703-004014 | INDUCTOR-SMD   |
| L1082             | 2703-004032 | INDUCTOR-SMD   |
| C2043,C2044,L1026 | 2703-004033 | INDUCTOR-SMD   |
| L1027,L1064,L2016 | 2703-004034 | INDUCTOR-SMD   |
| L2025,L2048,L2053 | 2703-004034 | INDUCTOR-SMD   |
| L2054,L3002       | 2703-004034 | INDUCTOR-SMD   |
| L1080,L2004,L2029 | 2703-004035 | INDUCTOR-SMD   |
| L2037,L2039,L2056 | 2703-004035 | INDUCTOR-SMD   |
| L1084,L1085,L1090 | 2703-004317 | INDUCTOR-SMD   |
| L1094             | 2703-004317 | INDUCTOR-SMD   |
| L1010,L1040,L1045 | 2703-004367 | INDUCTOR-SMD   |
| L1102,L2030,L3004 | 2703-004367 | INDUCTOR-SMD   |
| L1035,L1046,L2026 | 2703-004764 | INDUCTOR-SMD   |
| L2041,L2050,L2051 | 2703-004764 | INDUCTOR-SMD   |
| F2003             | 2904-002304 | FILTER-SAW     |
| F1003             | 2910-000375 | FILTER         |
| F1000             | 2910-000416 | FILTER         |

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.