7. Level 2 Repair

7-1. Disassembly and assembly Instructions

7-1-1. Disassembly

1. Carefully release the screws at 2 different locations (Torque 1.1 ± 0.1 kgf.cm) (Size:1.4*2.0)

2. Disengage the rear cover with the front cover by using the hook

3. Separate the 30 PIN I/F connector, TSP connector, LCD connector from the PBA.

4. Release the screw at 2 points (Size:) (Torque: 1.1±0.1 kgf.cm)

- Be careful not to scratch cover.

- Follow the numbered sequence when you disjoint

- Be careful not to damage the FPCBs

- Be careful not to damage the FPCBs
5. Open the black thin bar and Separate the LCD FPCB from the Front.

6. Carefully release the screws at 13 different locations from the Front. (Torque 1.1 ± 0.1 kgf.cm)

- **blue:L2.5 (10Point)**
- **red:L2 (3Point)**

7. Separate the Battery from PBA

8. Separate all connector(E/J, 2M, 3M Camera, Sensor) ribbons from the PBA.

- Be careful not to damage the FPCBs
- Be careful not to scratch cover
- Be careful not to damage the wires
- Be careful not to damage the FPCBs

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7. Level 2 Repair

9. Separate the SPK Module, GPS CABLE, SIDE KEY from the PBA

10. Separate the PBA from Ass'y

Be careful not to damage the FPCBs

Be careful not to scratch cover
### 7-1-2. assemble

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Insert the PBA in the hook</td>
</tr>
<tr>
<td>2</td>
<td>Attach the SPK Module, GPS CABLE, SIDE KEY</td>
</tr>
<tr>
<td>3</td>
<td>Attach the E/J, 2M, 3M Camera, Sensor.</td>
</tr>
<tr>
<td>4</td>
<td>Attach the battery</td>
</tr>
</tbody>
</table>

- Be careful not to scratch cover
- Be careful not to damage the FPCBs
- Be careful not to damage the FPCBs
- Be careful not to damage the wires
### 7. Level 2 Repair

<table>
<thead>
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<th>Instruction</th>
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<td>6</td>
<td>Screws at 13 points</td>
</tr>
<tr>
<td>5</td>
<td>Put the LCD FPCB and close the black thin bar</td>
</tr>
<tr>
<td>7</td>
<td>Screws at 2 Points</td>
</tr>
<tr>
<td>8</td>
<td>Insert the 30 PIN I/F, TSP, LCD Connector and close the black thin bar</td>
</tr>
</tbody>
</table>

- **Blue:** L2.5 (10 Point)
- **Red:** L2 (3 Point)

Be careful not to scratch cover screw: 1.4*2.0, 1.4*2.5 (Torque 1.1 ± 0.1, ‘+’ type)

Be careful not to damage the FPCBs

Be careful not to damage the FPCBs
<table>
<thead>
<tr>
<th>9</th>
<th>Joint the Rear and the Front.</th>
</tr>
</thead>
</table>
| 10 | Screws at 2 points  
Attach screw sheet |

Follow the order

(Torque 1.1 ± 0.1, '+' type)(Size: 1.4*2.0)  
Be careful not to scratch rear cover
8-2. PCB Diagrams
8-2-1. Top
8-2-2. Bottom
8-3. Flow Chart of Troubleshooting

Equipments

↑ Oscilloscope

á Digital Multimeter

á Power Supply

á + driver, Tweezer
8-3-1. Power On

- 'Power On' does not work
  - Check "Power on" by power cable with jig-on
    - Yes
    - No
      → Check the switch circuit, FET gate voltage, FET voltage
      → Check the 30pin to 50pin FPCB(SLC500). Wrong assembly or Wrong connection.

- Check the Battery Voltage is more than 3.6V
  - Yes
  - No
    → Check the Battery
    (Battery power is low)

- Check U703(PMIC) and Power on voltage(C727≥1.2V, C734≥1.2V, C730≥1.8V, C725≥1.8V, C728≥1.1V, C725≥3.3V, C720≥2.85V)
  - Yes
  - No
    → Check U703. Change the problem point. (short, open, crack, etc.)
    → If PMIC has problem, change U703
    → Check U702(_RESET). this pin has to go high level(about 2V), and to go low level after 480ms
    → Check U6006(A1,Y1). If you push the power on button, A1,Y1 has to go high level.

- Check the Clock at OSC700(C718) that frequency is 32K
  - Yes
  - No
    → Check the clock generation circuit (related to OSC700)

- Check the initial operation
  - Yes
  - No

END
8-3-2. Initial

Initial Failure

Yes

CP_RST(R320), PDA_ACTIVE(R6007) >= 1.8V(HIGH)

No

Check UCP6000 (short, crack, etc.)

Yes

CP_ON(TP_CP_ON), PHONE_ACTIVE(TP6024) >= 1.8V(HIGH)

No

Check UCP300 (short, crack, etc.)

Yes

AP_nRST(U703_pin #G8,TP702) "low -> high"?

No

Check U703(crack, open, etc.)
(if U703 has some problem, it is to be replaced)

Yes

There is 32.768KHz wave forms at OSC300(C342) and OSC700(C718)

No

Replace OSC 300 and OSC700

Yes

There are 26MHz wave forms at OSC600(C6082) and 26MHz wave forms at OSC100(C150)

No

Replace OSC600 and OSC100

Yes

LCD display OK?

No

Check the LCD part(short, crack, etc.)

Yes

Sound is OK?

No

Check the Audio Part(short, crack, etc.)

Yes

END
8-3-3. Charging Part

Abnormal charging part

Yes

Check C514 whether voltage reading is greater than 5V

No

Check the TA and the DLC (TA or DLC may not be connected properly)

Yes

Check C510 whether voltage reading is greater than 5V

No

Check U507 chip (U507_OVP chip may not work)

Yes

Check C749 whether voltage reading is greater than 4.2V

No

Check U704 chip (U704 chip may not work at room temperature)

Yes

Check battery voltage is change when TA is connected

No

Check U704 chip (U704 chip may not work)

Yes

Check C743 whether voltage is change when TA is connected

No

Check U704 chip (U704 chip may not work)

Yes

END
8-3-4. Sim Part

Insert SIM card

Yes

Check the Pin Soldering of HDC300

Yes

Check the Voltage of detection PIN (Right side of R311 : 0V)

No

Resoldering and recheck

Yes

Check the Voltage of SIM (Left side of R309 : 1.8V, R311 : 3.0V)

No

Change to the new SIM card

Yes

Check the voltage from PMIC and CP. Unless power, Change the PBA

END
8-3-5. Microphone Part

Check main microphone function in voice call receiver mode

Yes

Check the voltage at C406 = 2.8V

No → Resolder or replace U404

Yes

Check component soldering statuses of C426, C427

No → Resolder or replace C426, C427

Yes

END
8-3-6. Speaker Part

Check speaker function.
Play MP3 with maximum volume level.

Yes

Check the signals on R407, R409, R406, R408

No

Resolder or replace U402

Yes

Replace the speaker module

Yes

END
8-3-7. BT/WIFI

BT/WiFi is not working

Yes

Check BT or WiFi function

ON

No

Enable BT or WiFi Function

Yes

Check the Voltage on C260 = 1.8V

No

Check AP PMIC(U703)

Yes

Check 37.4MHz Clock at R213

No

Check OSC202

Yes

Check the Voltage on L214 = 1.5V

No

Resolder or change L214

Yes

Check the Status of C282, ANT202

No

Resolder or Replace C282, ANT202

Yes

Resolder or Replace U204

END
8-3-8. LCD

LCD is still off after PWR ON

Yes

- Check the connection of SLC800

Yes

- Check the C818 and High(18V)

No

Reconnect the SLC800

- Check C821 = 1.8V, C823 = 3.3V, C833 = 1.2V

Yes

- Check the signal DISPLAY_PCLK(TP809), LCD_D(0)(TP801)

Yes

- Check the signal DISPLAY_PCLK(TP806), LCD_F(0)(TP800)

Yes

- Check C800 = 1.8V, C801 = 3.3V

Yes

Replace LCD Module

Yes

END

No

- Check the IC UCP6000

No

Check the freq of C813(19.2MHz)

Replace or resolder OSC800

Yes

- Check the U801

Check the IC U800

Check the Backlight Driver IC(U805)

Check the LDO(802)
DC-DC(U803)
DC-DC(U804)
8-3-9. TSP

1. Touch Screen does not work
   - Yes
   - No
     - Yes
     - No

2. Check TSP Connector on Main PBA
   - Yes
   - No
     - Yes
     - No

3. U1004
   - Pin 64 = 3.3V(C1033) and Pin 8 = 1.8V(C1029)
   - Yes
   - No
     - Yes
     - No

4. U1001,1002,1003
   - Pin A1 = 3.3V(C1000,C1006,C1012)
   - Yes
   - No
     - Yes
     - No

5. Check the I2C signal of Sensor IC(R6050, R6051)
   - Yes
   - No

6. Resolder R6050, R6051

7. Replace TSP Module
   - Yes
   - No

8. END

- Yes
- No

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8-3-10. 3M CAM

"Camera" function does not work

Yes

Check the Camera connector on Main PBA

No

Reconnect the HDC900

Yes

Check the voltage
C902 = 1.2V
C901 = 2.8V
C913 = 1.8V
C900 = 1.8V

No

Resolder U900, R900, R902, L900
Resolder U901
Resolder U902
Replace the PBA

Yes

Check R903 is 24MHz

No

Resolder R903
Replace the PBA

Yes

Check the I2C line
TP902 & TP903 = HIGH

No

Resolder R6044, R6045
Replace the PBA

Yes

Check F900 is OK

No

Resolder F900
Replace the PBA

Yes

Replace the camera module

Yes

END
8-3-11. 2M CAM

"Camera" function does not work

Yes

Check the Camera connector on Main PBA

No

Reconnect the HDC901

Yes

Check the voltage
C913 = 1.8V, C901 = 2.8V, C900 = 1.8V

No

Resolder U901, U902

Yes

Check R907 is 24MHz

No

Resolder R907
Replace the PBA.

Yes

Check the I2C line
TP902 & TP903 = HIGH

No

Resolder R6044, R6045
Replace the PBA

Yes

Check F901 & F902 is OK

No

Resolder F901 & F902
Replace the PBA

Yes

Replace the camera module

Yes

END
8-3-12. GSM1800 RX

NORMAL CONDITION
catch the channel?

NO

Check C144 ≤ -65dBm ?

YES

CHECK soldered
U110, L110, C144, L111

NO

Check the Voltage at
C134 = VOUT_CHARGER

YES

NO

Resolder or change
U116, C144

NO

Check C135, C140
≥ -65dBm ?

YES

Resolder or change
C135, C140

NO

Check component
soldering status OK at
U118

YES

Resolder or change
U118

NO

Check F100 PIN 22, 23
≥ -65dBm

YES

NO

Resolder or change
U118

NO

Check the voltage at
(C158 = VBAT_RF ?)
& (C157 = 2.65V ?)
& (C155 = 2.65V ?)
& (C159 = 1.8V?)
& (C160 = 1.2V?)

YES

NO

Resolder or change
U103

NO

Check the freq. at C150:
26MHz ?

YES

Change or resolder
OSC100

NO

GSM1800 Receiver is O.K?

YES

NO

Resolder or change
UCP300

END
8-3-13. WCDMA Band1 RX

- NORMAL CONDITION: catch the channel?
  - NO
  - YES
    - Check C144 \(\leq -65\text{dBm}\) ?
      - NO
      - YES
    - Check the Voltage at C134 = VOUT_CHARGER
      - NO
      - YES
    - Check L139, L106 \(\geq -65\text{dBm}\) ?
      - NO
      - YES
    - Check component soldering status OK at U118
      - NO
      - YES
    - Check F100 PIN 22, 23 \(\geq -65\text{dBm}\)
      - NO
      - YES
  - NO
    - Resolder or change U110, L110, C144, L111
  - YES
    - CHECK soldered U110, L110, C144, L111
    - AMP : -50dBm

- CONTINUOUS RX ON
  - RF INPUT : 10700CH
  - AMP : -50dBm

- Check the voltage at
  \(\{C158 = \text{VBAT_RF} ?\}\)
  \& \(\{C157 = 2.65\text{V} ?\}\)
  \& \(\{C155 = 2.65\text{V} ?\}\)
  \& \(\{C159 = 1.8\text{V} ?\}\)
  \& \(\{C160 = 1.2\text{V} ?\}\)

- NO
  - Resolder or change U103
- YES
  - Change or resolder OSC100

- Check the freq. at C150 : 26MHz ?
  - NO
  - YES
  - WCDMA Band1 Receiver is O.K?
  - NO
  - Resolder or change UCP300
- YES
  - END
8-3-14. WCDMA Band2 / GSM1900 RX

CONTINUOUS RX ON
RF INPUT : 9880CH
AMP : -50dBm

NORMAL CONDITION
catch the channel?
NO
YES
Check C144 ≤ -65dBm ?
NO
YES
Check L141, L108 ≥ -65dBm ?
NO
YES
Check component soldering status OK at U118
NO
YES
Check F100 PIN 22, 23 ≥ -65dBm
NO
YES
Check the voltage at
{C158 = VBAT_RF ?}
& {C157 = 2.65V ?}
& {C155 = 2.65V ?}
& {C159 = 1.8V?}
& {C160 = 1.2V?}
NO
YES
Check the freq. at C150 : 26MHz ?
NO
YES
Check the voltage at
{C158 = VBAT_RF ?}
& {C157 = 2.65V ?}
& {C155 = 2.65V ?}
& {C159 = 1.8V?}
& {C160 = 1.2V?}
NO
YES
Change or resolder OSC100
NO
YES
WCDMA Band2 / GSM1900 Receiver is O.K?
NO
YES
END

Check the voltage at
{C158 = VBAT_RF ?}
& {C157 = 2.65V ?}
& {C155 = 2.65V ?}
& {C159 = 1.8V?}
& {C160 = 1.2V?}
NO
YES
Check L141, L108
NO
YES
Resolder or change U118, C144, L111
NO
YES
Resolder or change C134 =VOUT_CHARGER
NO
YES
Resolder or change U116, C134
NO
YES
Resolder or change U118
NO
YES
Resolder or change U118
NO
YES
Resolder or change U118
NO
YES
Resolder or change U118
NO
YES
Resolder or change U118
NO
YES
Resolder or change U118
NO
YES
Resolder or change OSC100
NO
YES
Resolder or change U118
NO
YES
Resolder or change UCP300
8-3-15. WCDMA Band5 / GSM 850 RX

- **NORMAL CONDITION**
  - catch the channel?
    - NO
      - Check C144 \( \leq -65\)dBm?
        - NO
          - Check the Voltage at C134 = VOUT_CHARGER
            - NO
              - Resolder or change U110, L110, C144, L111
            - YES
              - Check C136, C139 \( \geq -65\)dBm?
                - NO
                  - Resolder or change U116, C144
                - YES
                  - Check component soldering status OK at U118
                    - NO
                      - Resolder or change U118
                    - YES
                      - Check F100 PIN 22, 23 \( \geq -65\)dBm
                        - NO
                          - Resolder or change U118
                        - YES
                          - Check the voltage at {C158 = VBAT_RF ?} & {C157 = 2.65V ?} & {C155 = 2.69V ?} & {C159 = 1.8V?} & {C160 = 1.2V?}
                            - NO
                              - Resolder or change U103
                            - YES
                              - Check the freq. at C150 : 26MHz?
                                - NO
                                  - Change or resolder OSC100
                                - YES
                                  - END

- WCDMA Band5 / GSM 850 Receiver is O.K?
  - NO
    - Resolder or change UCP300
  - YES
    - END

CONTINUOUS RX ON
RF INPUT : 4408CH
AMP : -50dBm
8-3-16. WCDMA Band8 / GSM900 RX

NORMAL CONDITION
catch the channel?

NO

Check C144 ≤ -65dBm ?

YES

CHECK soldered U110, L110, C144, L111

NO

Check the Voltage at C134 = VOUT_CHARGER

NO

Resolder or change U116, C134

YES

Resolder or change Check C143, L107

NO

Check component soldering status OK at U118

YES

Resolder or change U118

NO

Check F100 PIN 22, 23 ≥ -65dBm

YES

Check the voltage at
(C158 = VBAT_RF ?)
& (C157 = 2.65V ?)
& (C155 = 2.65V ?)
& (C159 = 1.8V?)
& (C160 = 1.2V?)

NO

Resolder or change U103

YES

Check the freq. at C150 : 26MHz ?

NO

Change or resolder OSC100

YES

WCDMA Band8 / GSM900 Receiver is O.K?

NO

Resolder or change UCP300

END
8-3-17. GSM850/GSM900 TX

- **U116 PIN11 : About 30dBm ?**
  - **YES**
    - CHECK soldered U119, C144, L111, L110, C168, L126, L127, L142, C189, ANT103
  - **NO**
    - Resolder or change U116, C134
  - **NO**
    - Check the Voltage at C134 = VOUT_CHARGER?
      - **YES**
        - Resolder or change C165, L113, L115
      - **NO**
        - Resolder or change U129, C153
  - **NO**
    - Check the Voltage at C153 = OUT_CHARGER?
      - **YES**
        - Resolder or change C154, C161
      - **NO**
        - Resolder or change C165, L113, L115
  - **YES**
    - Check C154, C161 : About 0dBm ?
      - **YES**
        - Resolder or change C154, C161
      - **NO**
        - Resolder or change U103

- **Check the Voltage at**
  - (C158 = VBAT_RF ?)
  - (C157 = 2.65V ?)
  - (C155 = 2.65V ?)
  - (C159 = 1.8V ?)
  - (C160 = 1.2V ?)

  - **NO**
    - Resolder or change U103

- **Check the freq. at C150 : 26MHz ?**
  - **NO**
    - Change or resolder OSC100
  - **YES**
    - GSM850/900 Transmitter is O.K?
      - **END**
  - **NO**
    - Resolder or change UCP300
8-3-18. DCS/PCS TX

- **U116 PIN11**: About 30dBm?
  - **NO**
    - Check the Voltage at C134 = VOUT_CHARGER?
      - **NO**
        - Resolder or change U116, C134
      - **YES**
        - Check L114, C163: About 30dBm?
          - **NO**
            - Resolder or change L114, C163
          - **YES**
            - Check the Voltage at C153 = OUT_CHARGER?
              - **NO**
                - Resolder or change U129, C153
              - **YES**
                - Check C152, C162: About 0dBm?
                  - **YES**
                    - Check the voltage at {C158 = VBAT_RF ?}
                      & {C157 = 2.85V ?}
                      & {C155 = 2.65V ?}
                      & {C159 = 1.8V ?}
                      & {C160 = 1.2V ?}
                  - **NO**
                    - Resolder or change U103
                - **NO**
                  - Change or resolder OSC100
              - **YES**
                - Check the freq. at C150: 26MHz?
                  - **YES**
                    - Resolder or change UCP300
                  - **NO**
                    - DCS/PCS Transmitter is O.K?
                      - **END**
8-3-19. WCDMA BAND1 TX

U116 PIN11 : About 22 dBm ?

- NO

- YES

Check the Voltage at C134 = VOUT_CHARGER?

- NO

- YES

Check L139, L106 : About 22dBm ?

- NO

- YES

Check component soldering status OK at U118

- NO

- YES

Check L116, C164 : About 22dBm ?

- NO

- YES

Check the Voltage at C153 = OUT_CHARGER?

- NO

- YES

Check C152, C162 : About 0dBm ?

- NO

- YES

Check the voltage at:

- (C158 = VBAT_RF ?)
- (C157 = 2.85V ?)
- (C155 = 2.65V ?)
- (C159 = 1.8V?)
- (C160 = 1.2V?)

- NO

- YES

Check the freq. at C150 : 26MHz ?

- NO

- YES

WCDMA BAND1 Transmitter is O.K?

- NO

- YES

END

CONTINUOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band1 Ch : 10700
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

Check the Voltage at C153 = VOUT_CHARGER?

- Resolder or change U116, C134

Check L139, L106 : About 22dBm ?

- Resolder or change L139, L106

Check component soldering status OK at U118

- Resolder or change U118

Check L116, C164 : About 22dBm ?

- Resolder or change L116, C164

Check the Voltage at C153 = OUT_CHARGER?

- Resolder or change U129, C153

Check C152, C162 : About 0dBm ?

- Resolder or change C152, C162

Check the voltage at:

- (C158 = VBAT_RF ?)
- (C157 = 2.85V ?)
- (C155 = 2.65V ?)
- (C159 = 1.8V?)
- (C160 = 1.2V?)

- Resolder or change U103

Check the freq. at C150 : 26MHz ?

- Change or resolder OSC100

WCDMA BAND1 Transmitter is O.K?

- Resolder or change UCP300

END
8-3-20. WCDMA BAND2 TX

- **U116 PIN11**: About 22 dBm?
  - NO
  - YES: CHECK soldered U119, C144, L111, L110, C168, L126, L127, L142, CH189, ANT103

- Check the Voltage at C134 = VOUT_CHARGER?
  - NO
  - YES

- Check L141, L108: About 22dBm?
  - NO
  - YES: Resolder or change L141, L108

- Check component soldering status OK at U118
  - NO
  - YES: Resolder or change U118

- Check L117, L138, C171: About 22dBm?
  - NO
  - YES: Resolder or change L117, L138, C171

- Check the Voltage at C153 = OUT_CHARGER?
  - NO
  - YES: Resolder or change U129, C153

- Check C152, C162: About 0dBm?
  - NO
  - YES: Resolder or change C152, C162

- Check the Voltage at
  - (C158 = VBAT_RF ?)
  - & (C157 = 2.85V ?)
  - & (C155 = 2.56V ?)
  - & (C159 = 1.8V ?)
  - & (C160 = 1.2V ?)
  - NO
  - YES

- Check the freq. at C150: 26MHz?
  - NO
  - YES: Change or resolder OSC100

- WCDMA BAND2 Transmitter is O.K?
  - NO
  - YES: Resolder or change UCP300

END
8-3-21. WCDMA BAND5 TX

- U116 PIN11: About 22 dBm?
  - NO
  - Check the Voltage at C134 = VOUT_CHARGER?
    - NO
    - Resolder or change U116, C134
    - YES
    - Check C136, C139: About 22dBm?
      - YES
      - Resolder or change C136, C139
      - NO
      - Check component soldering status OK at U118
        - NO
        - Resolder or change U118
        - YES
        - Check C174, L119: About 22dBm?
          - YES
          - Resolder or change C174, L119
          - NO
          - Check the Voltage at C153 = OUT_CHARGER?
            - YES
            - Check C154, C161: About 0dBm?
              - YES
              - Resolder or change C154, C161
              - NO
              - Check the voltage at
                (C158 = VBAT_RF?) & (C157 = 2.85V?) & (C155 = 2.65V?) & (C159 = 1.8V?) & (C160 = 1.2V?)
                  - NO
                  - Resolder or change U103
                  - YES
                  - Check the freq. at C150: 26MHz?
                    - NO
                    - Change or resolder OSC100
                    - YES
                    - WCDMA BAND5 Transmitter is O.K?
                      - NO
                      - Resolder or change UCP300
                      - YES
                      - END
8-3-22. WCDMA BAND8 TX

U116 PIN11 : About 22 dBm ?

YES

NO

Check the Voltage at C134 = VOUT_CHARGER?

YES

Resolder or change U116, C134

NO

Check C143, L107 : About 22dBm ?

YES

Resolder or change C143, L107

NO

Check component soldering status OK at U118

YES

Resolder or change U118

NO

Check C176, L118 : About 22dBm ?

YES

Resolder or change C176, L118

NO

Check the Voltage at C153 = OUT_CHARGER?

YES

Resolder or change C154, C161

NO

Check C154, C161 : About 0dBm ?

YES

NO

Check the voltage at (C158 = VBAT_RF ?) & (C157 = 2.85V ?) & (C155 = 2.65V ?) & (C159 = 1.8V?) & (C160 = 1.2V?)

YES

NO

Resolder or change U103

NO

Check the freq. at C150 : 26MHz ?

YES

NO

Change or resolder OSC100

NO

Resolder or change UCP300

WDMA BAND8 Transmitter is O.K?

YES

END

NO
8-4. Service Schematics

- **NC Point (Top View)**

UME300

: NC

![Diagram of NC Point (Top View)]
**U1102**

![Diagram](image)

**Figure 3. Ball Diagram—HDMI Interface (Top View)**
### UME6000

#### 134Ball FBGA

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### UME300

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(Bottom View)

Figure 2  Ball Diagram PG-WFWLB-138-2 (Top View)
U143

TOP VIEW

Pin Out

[Diagram of pinout connections]