

Technology Document

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ZTE Corporation

Amendment Record

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Note 1: The form must be filled upon amendment (document archived into business department or archive room).
Note 2: If the document is archived firstly, the columns of "Reason for Amendment" and "Main Amendment" should be filled "None".

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1. Summarize

✧ Standard configuration

- One handset
- One standard lithium battery
- One travel charger
- MIC and Earphone
- One data cable

✧ Specification

- Dimension (H*W*T):99mm×53mm×19mm
- Weight: 110g

✧ Function

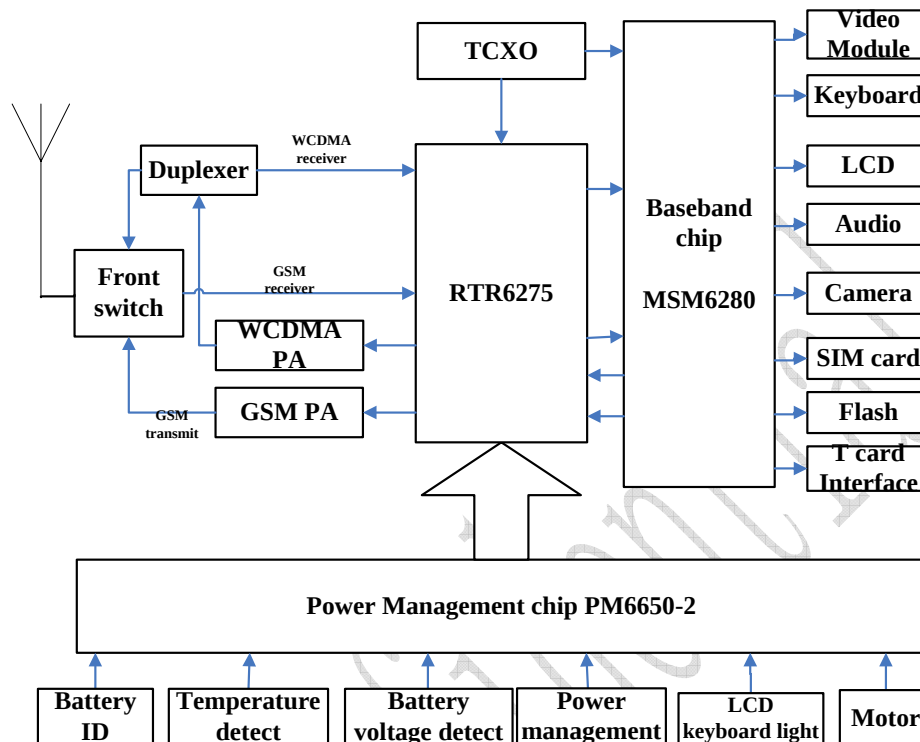
- DVB-H
- HSDPA 3.6MDL
- 2.2 inch rotatable LCD
- Video call
- Streaming
- WAP Browse
- E-mail
- MP3、MP4 player
- Blue tooth
- Supporting T-FLASH card, 128M memory

✧ Inner code

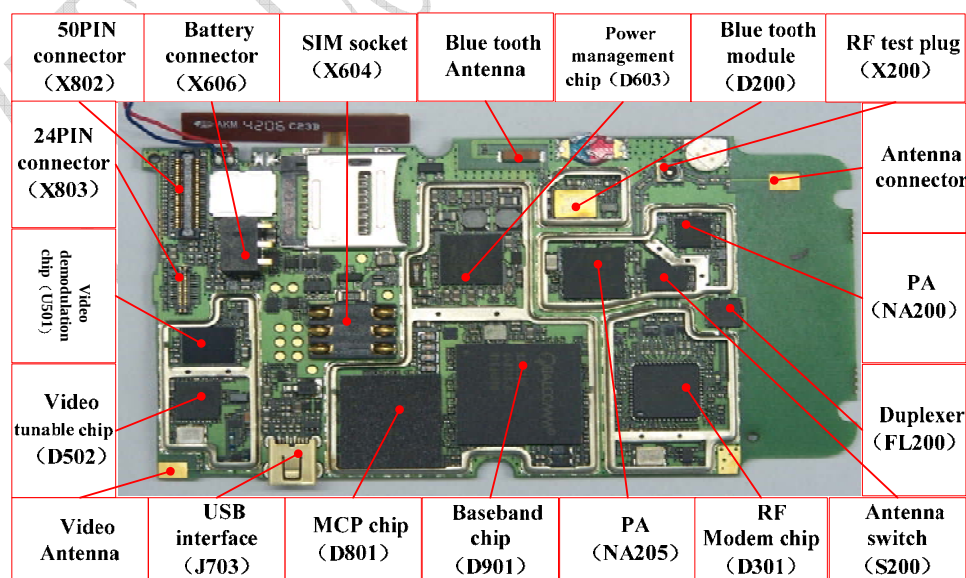
Inner code	Outer code
P619A1	F908 (N7100)

2. Composing and Principle

2.1 Block diagram

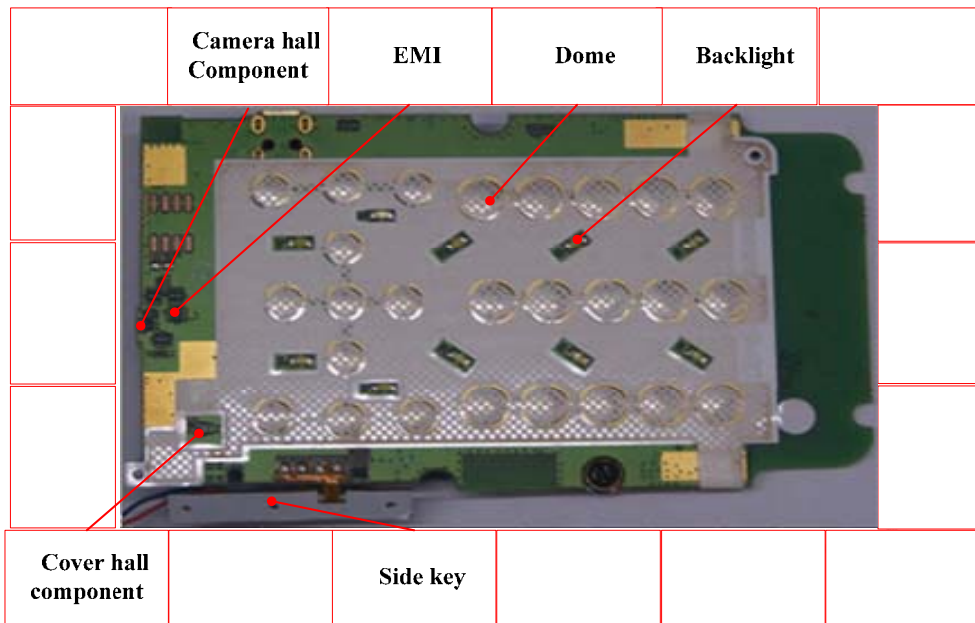


2.2 MB components



top

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Bottom

2.3 Main check points

VREG_MSMP 2.60V C636	VREG_UIM 1.85V C637	VREG_AUX1 2.85V C638	VREG_MSME 1.80V C645		VREG_MSME 1.24V C644	VREG_USB 3.28V C639
VREG_MSMA 2.58V C635	VREG_RFRX 2.70V C633	VREG_RFRX 2.60V C632	VREG_RFTX 2.60V C631	VREG_SYNTH 2.60V C630	VREG_TCXO 2.85V C629	

Name	voltage	Check point	function
VREG_MSMC	1.24V	C644	power supply for core in MSM6280
VREG_MSME	1.80V	C645	Power supply for memory
VREG_USB	3.28V	C639	
VREG_AUX1	2.85V	C638	
VREG_UIM	1.85V	C637	Power supply for UIM card
VREG_MSMP	2.60V	C636	Power supply for auxiliary device
VREG_MSMA	2.58V	C635	Power supply for baseband
VREG_AUX2	2.84V	C634	
VREG_RFRX	2.70V	C633	Power supply for receiver chip RTR6200
VREG_RFTX	2.60V	C631	Power supply for transmit loop RTR6200
VREG_SYNTH	2.60V	C630	
VREG_TCXO	2.85V	C629	Power supply for VCO of RTR6200

2.4 Dismantle flow



Handset disassembly need these tools

(from left to right):

Anti-electrostatic glove,

Anti-electrostatic wrist,

screwdriver

Tweezers,

Dismantle rind implement.

- ◆ Note : before take out screw, you should pull out the antenna first



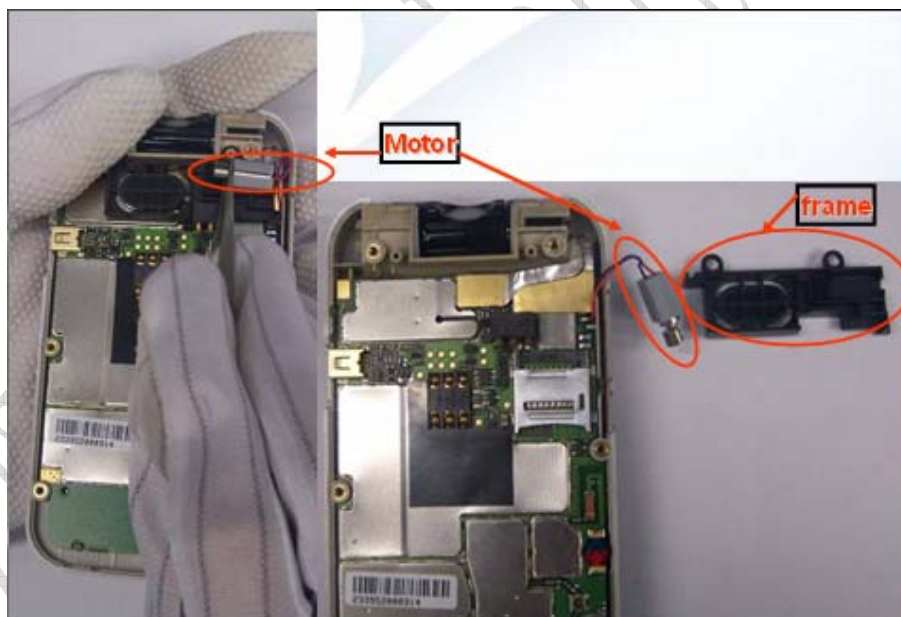
- ◆ Pay attention to the positions of six screws



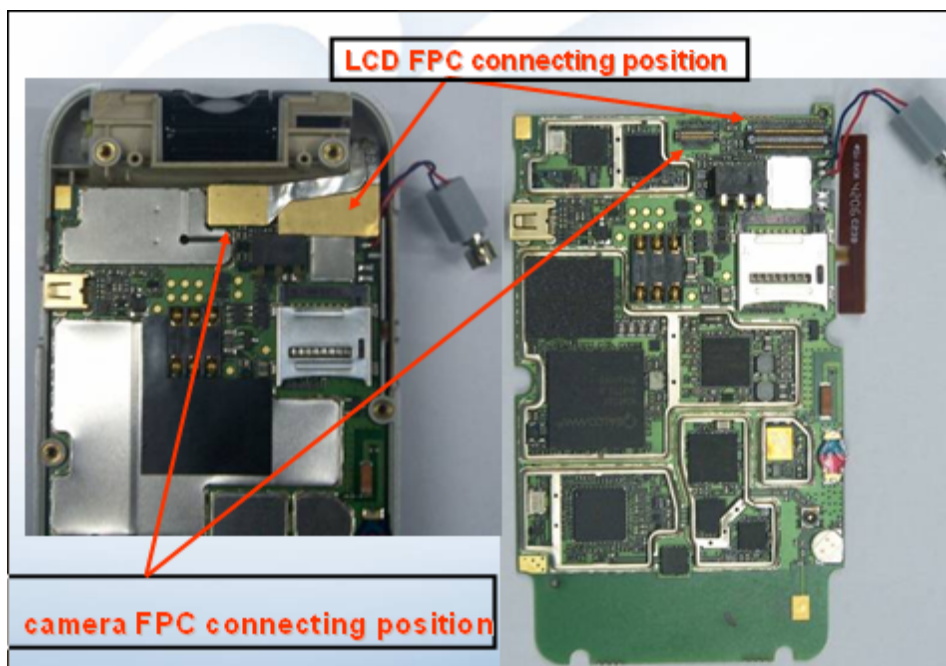
◆ The front cover and back cover



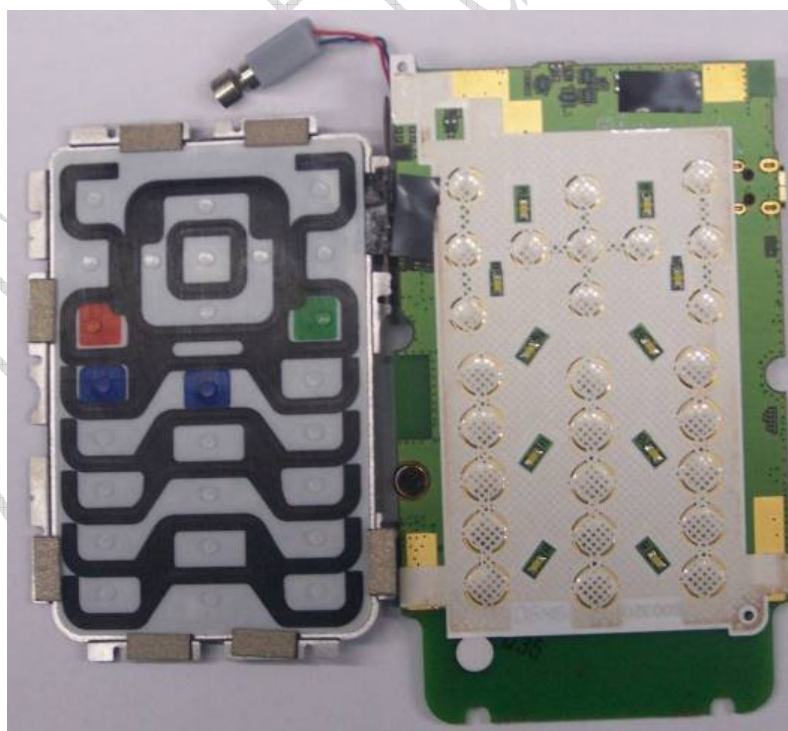
◆ Motor and frame



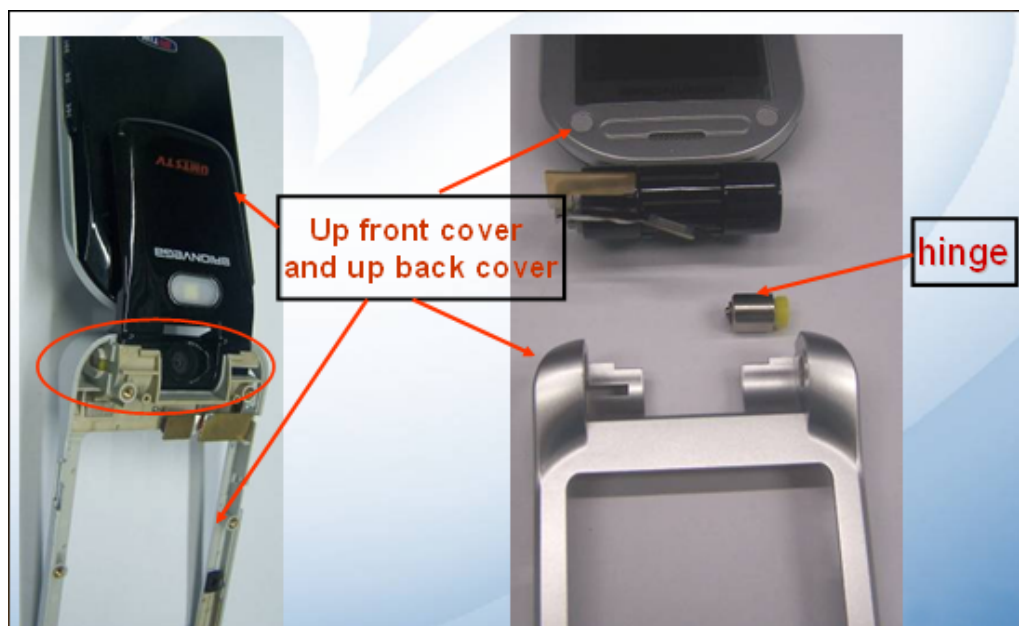
◆ MB and down front cover



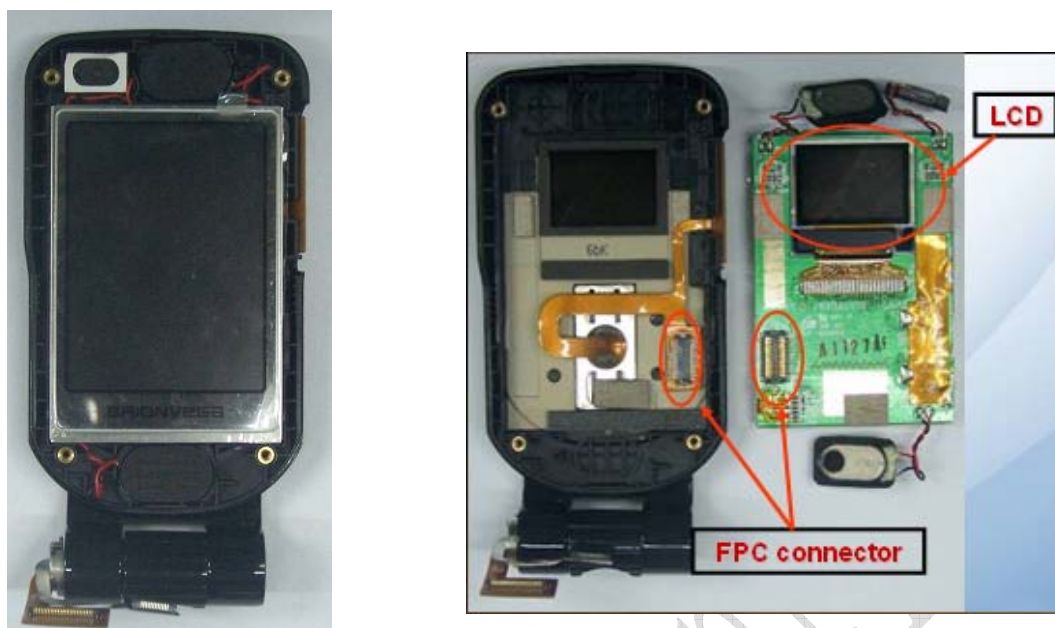
◆ MB and keyboard



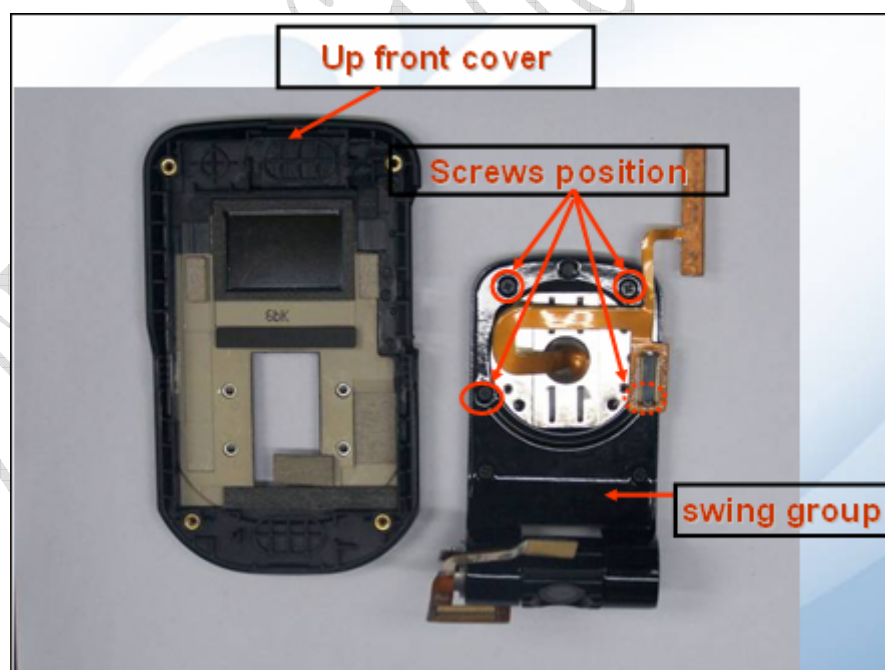
◆ Separated up Front cover and up back cover



◆ The position of four screws on MB



◆ Front cover and swing group



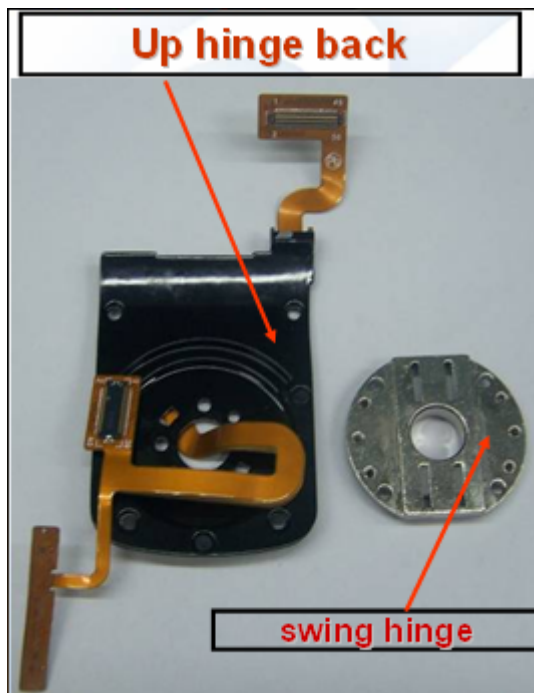
◆ Separated Up hinge front and camera



◆ Camera locking hinge and Up hinge front



◆ Up hinge back and swing hinge



3. Function Test

Version code : *983*8371#

the latest version : P619A1V1.0.0B01TIM

Function code : *983*0#

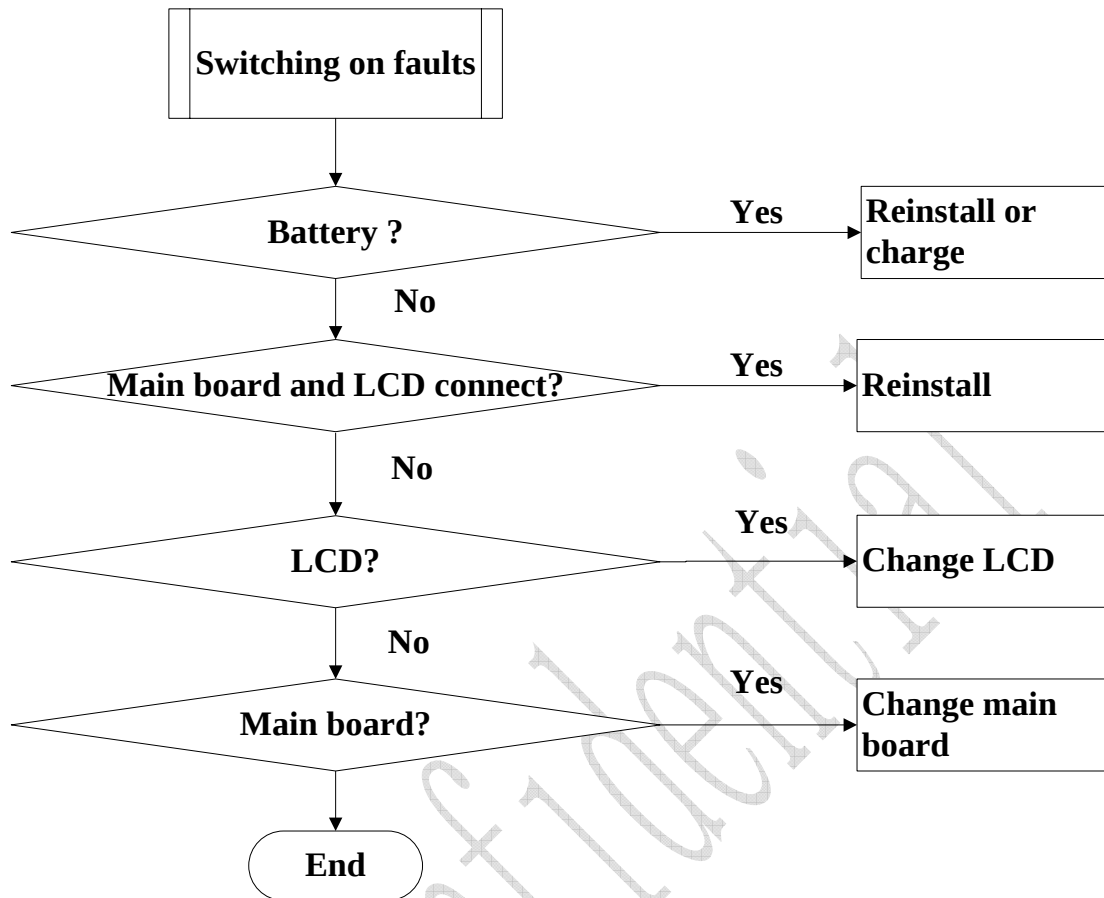
IMEI check code : *#06#

4. Basic Flow chart of familiar troubleshooting (first level)

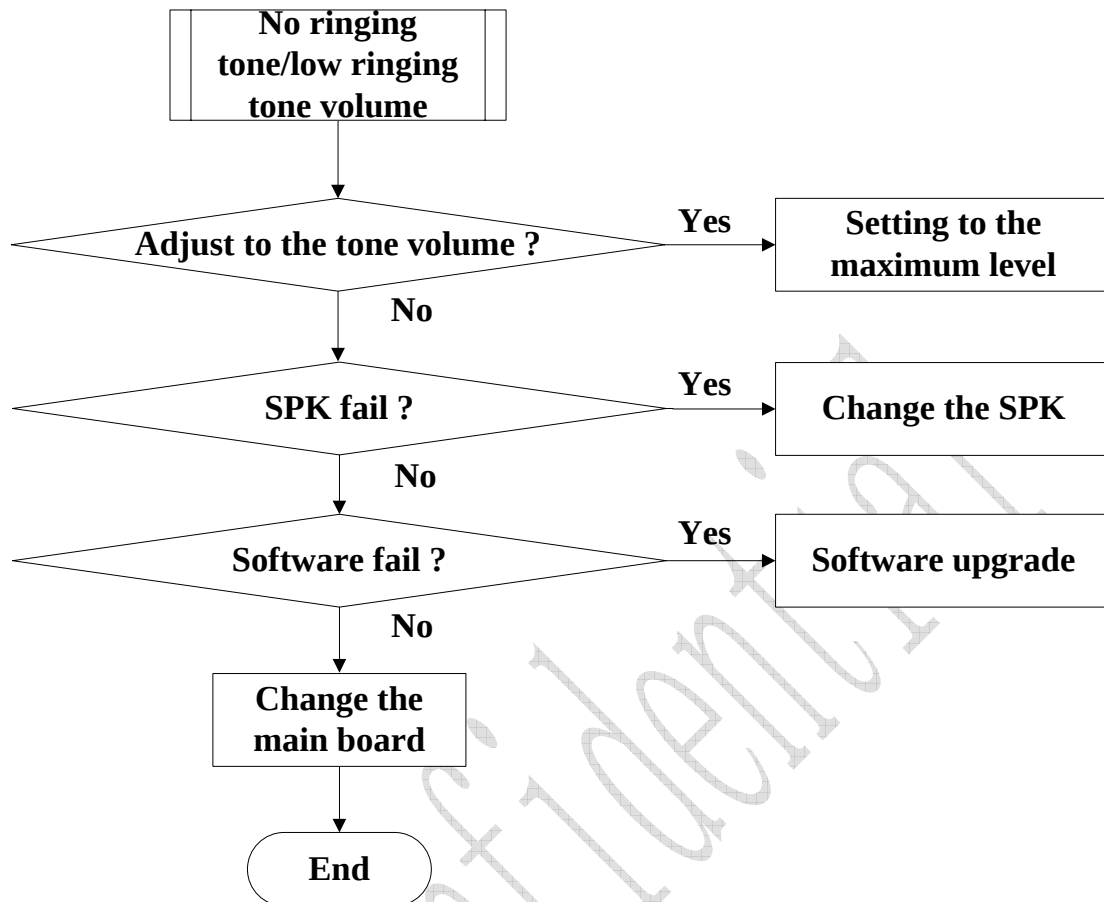
4.1 configuration troubling

You can replace refer to the process of dismantle and installing

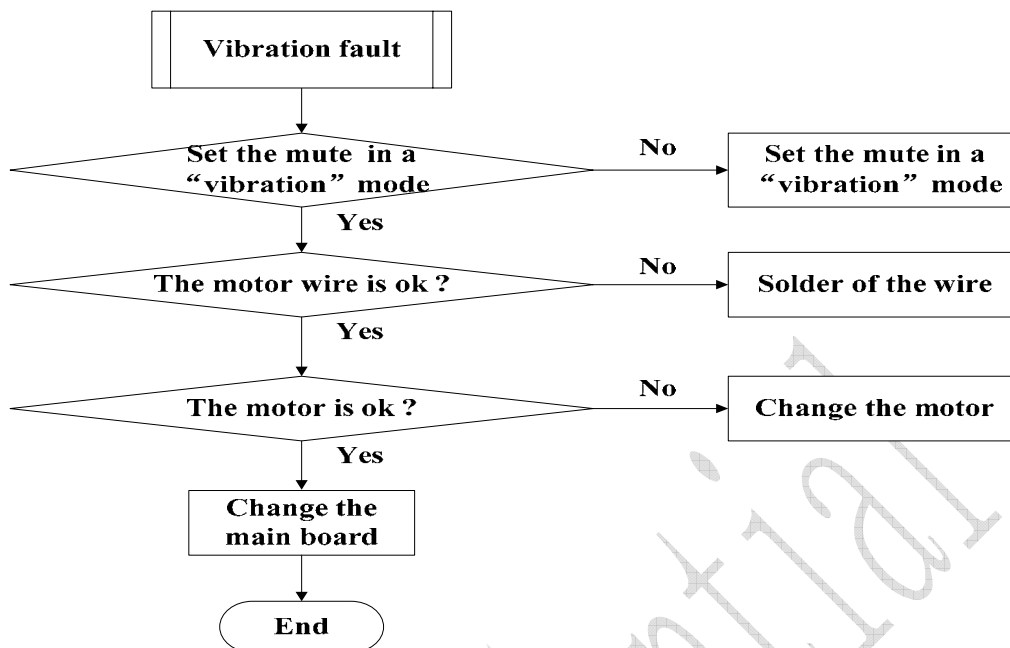
4.2 Failure of switch on



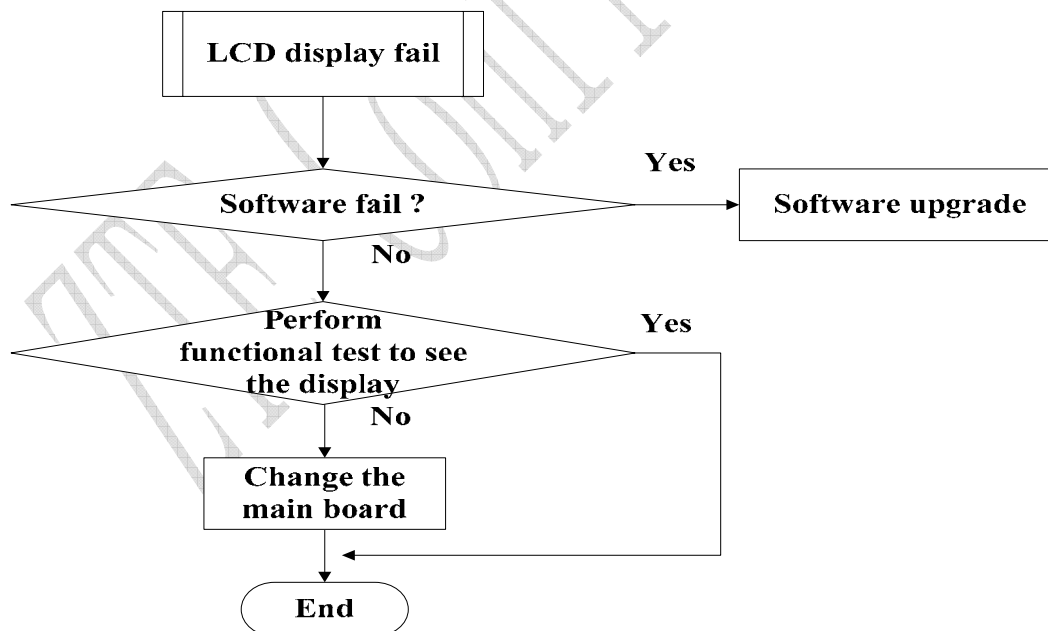
4.3 No ringing



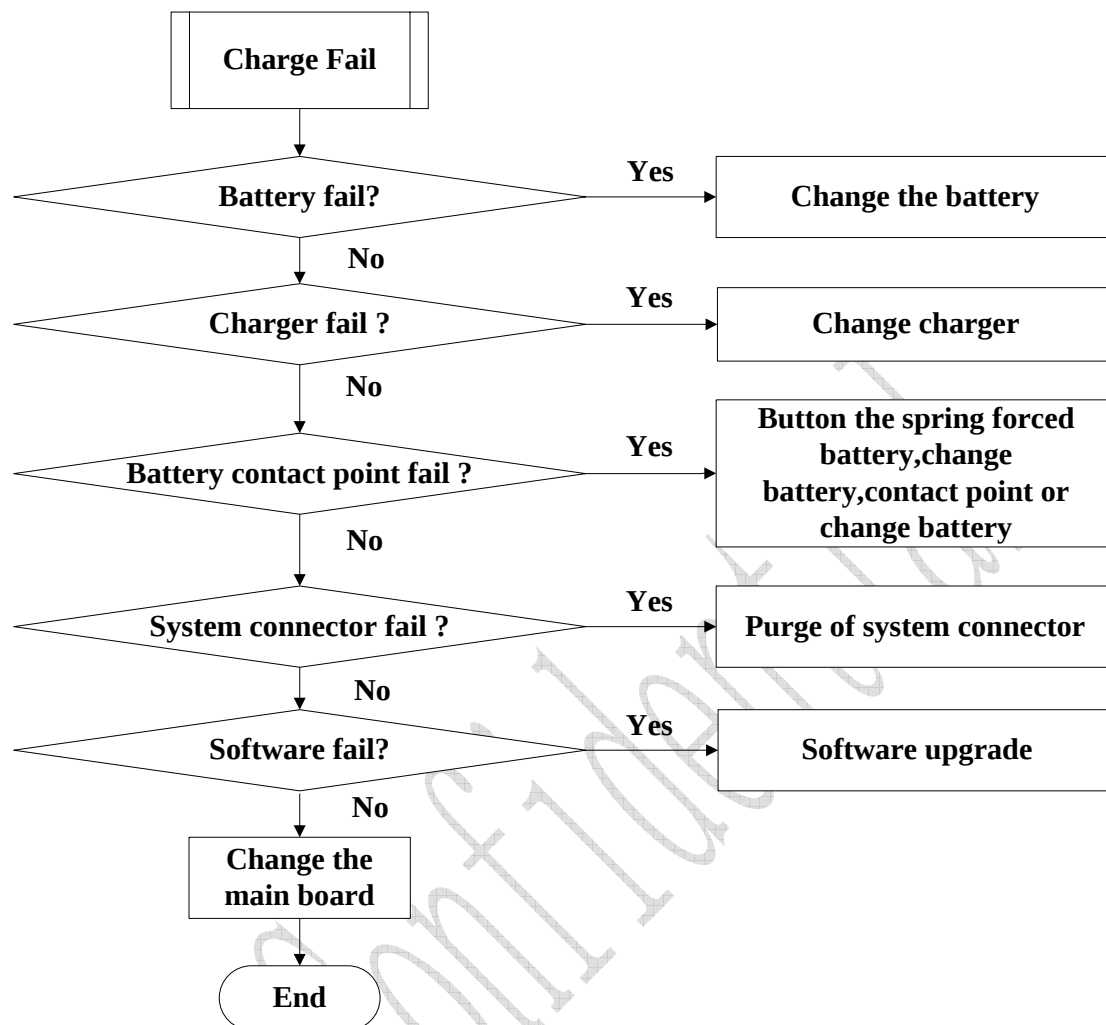
4.4 Vibration fault



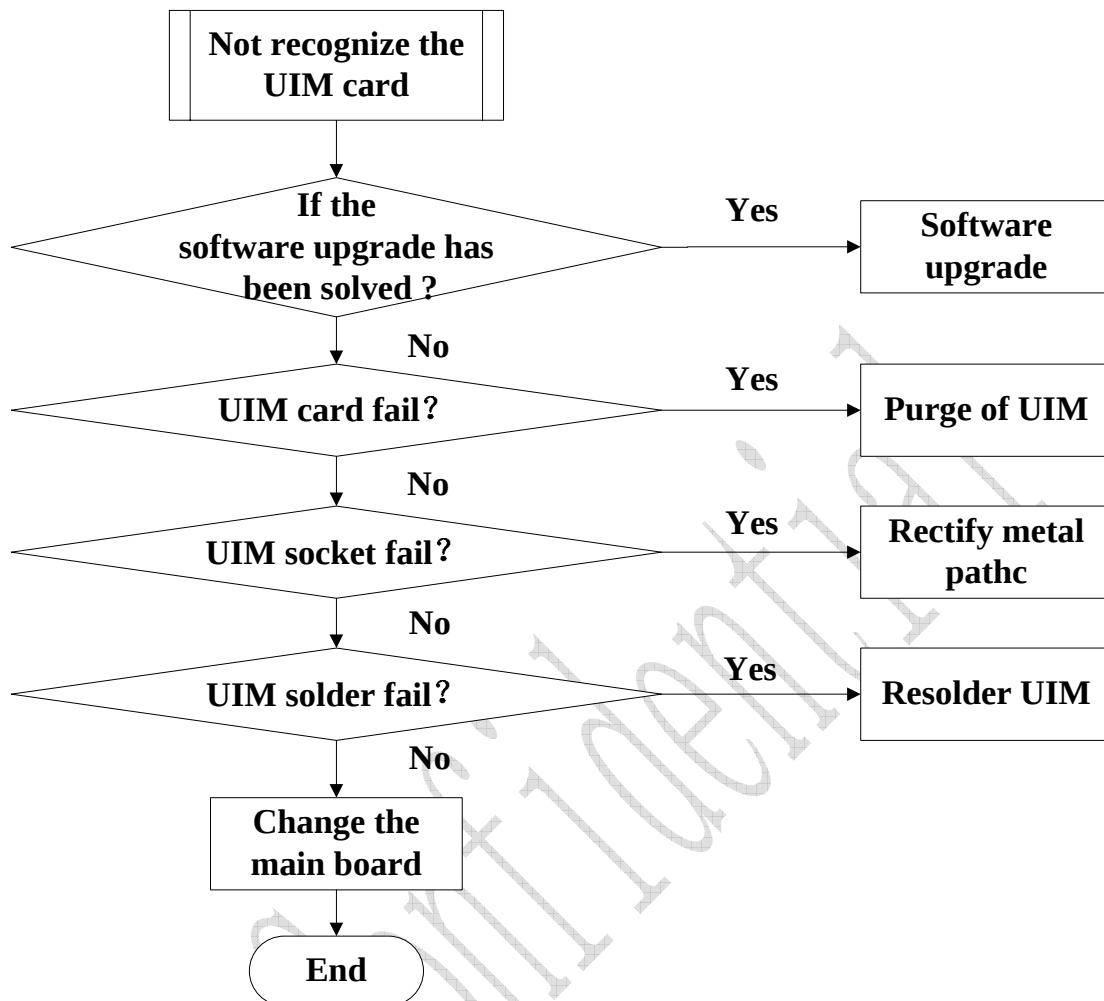
4.5 LCD display faults



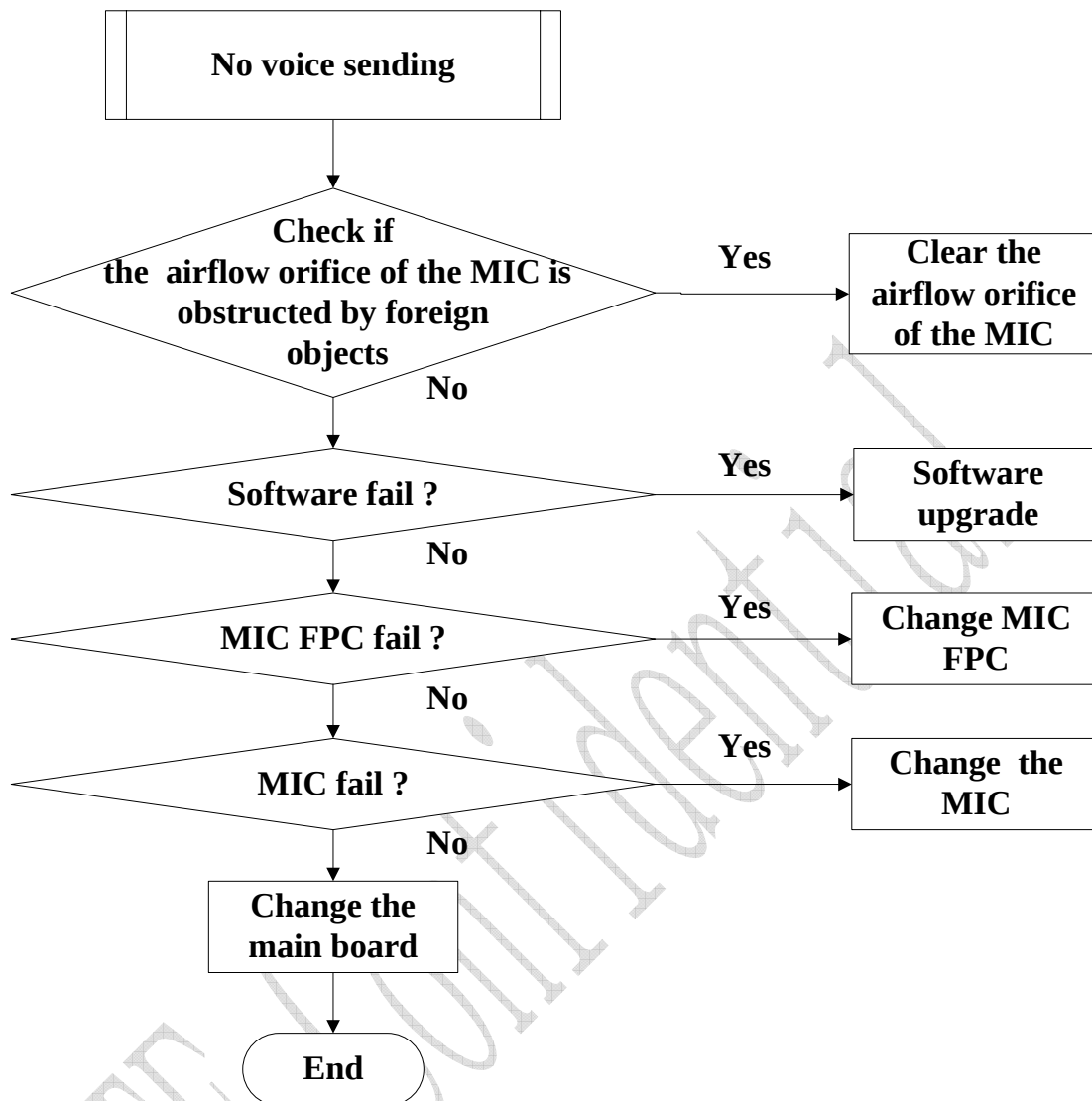
4.6 Charge fail



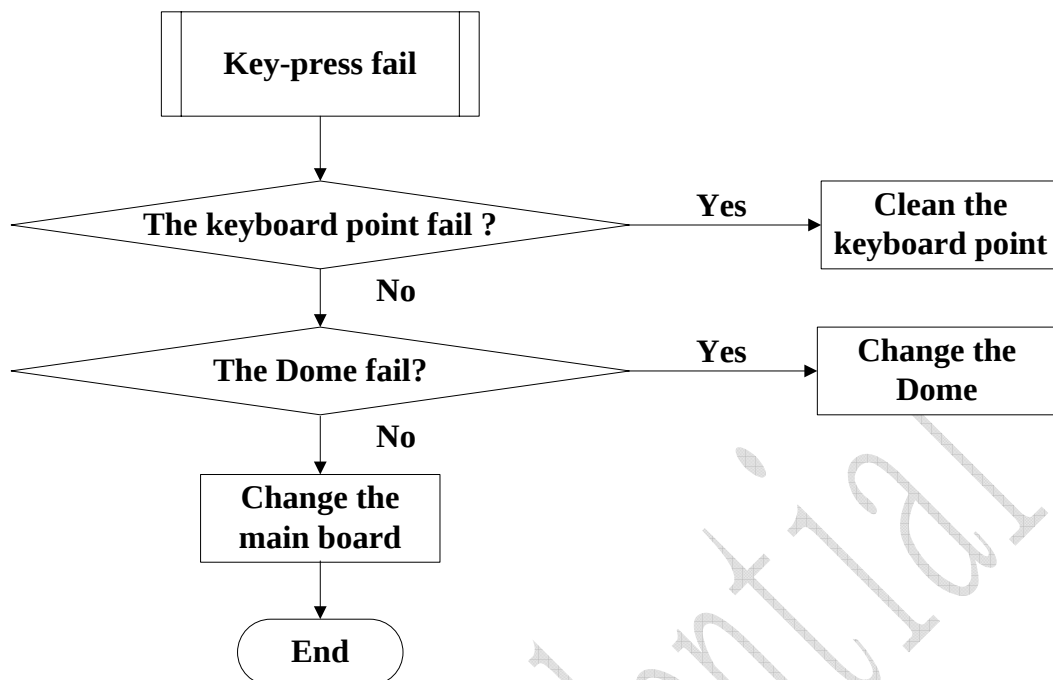
4.7 Do not recognize the UIM card



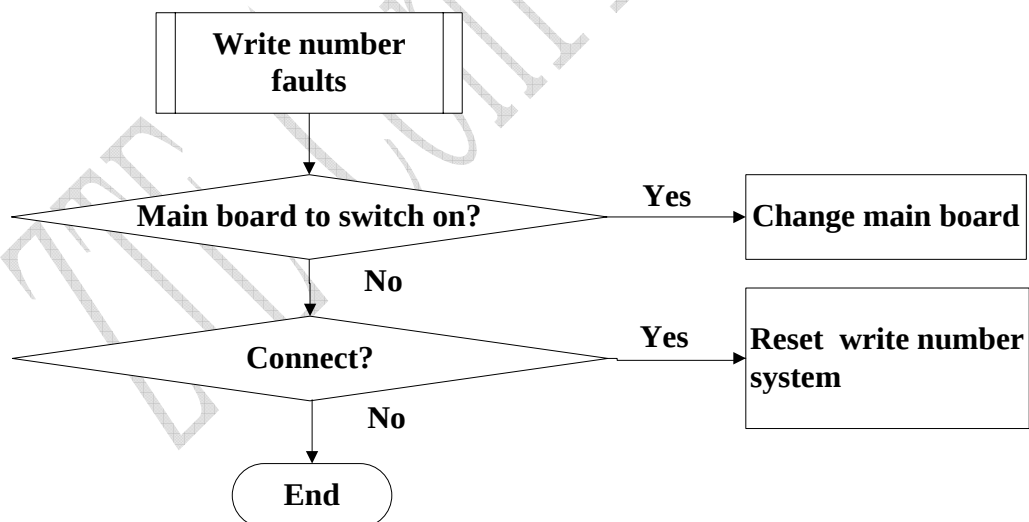
4.8 No voice sending



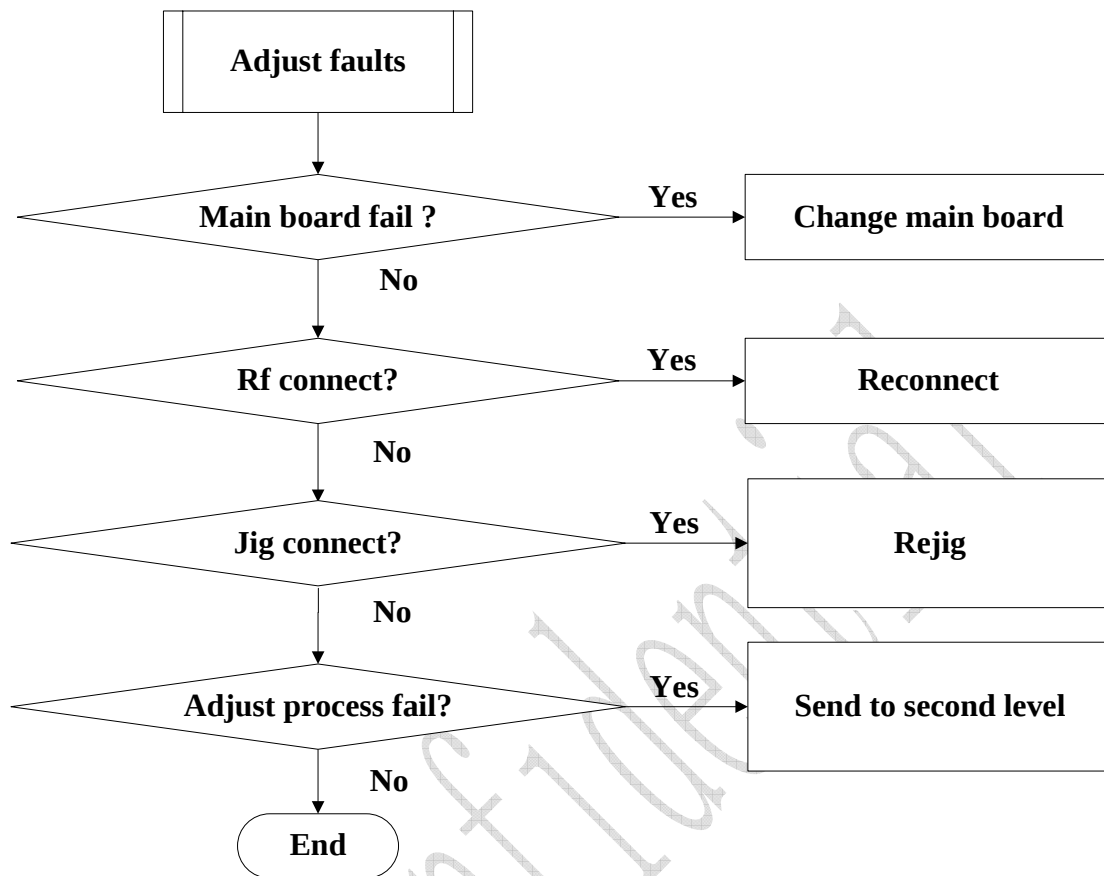
4.9 Key-press fail



4.10 Write number faults

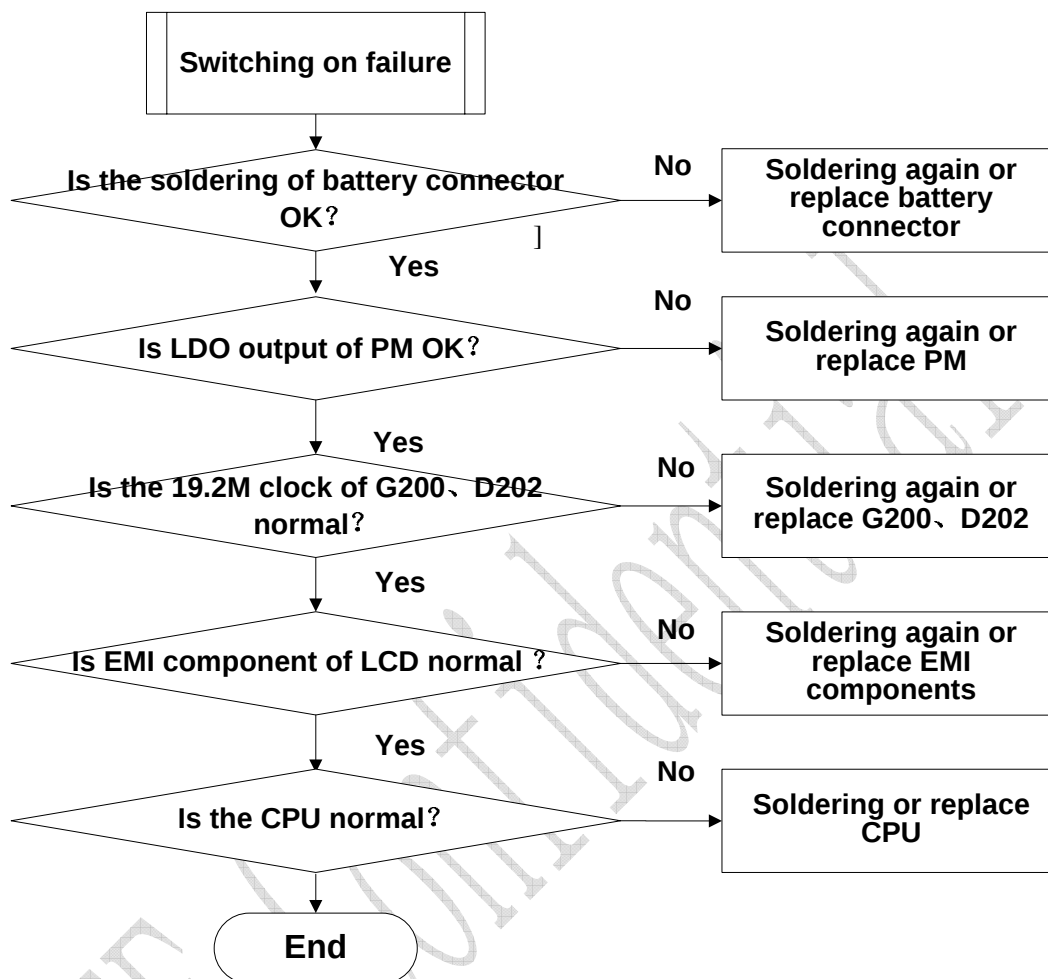


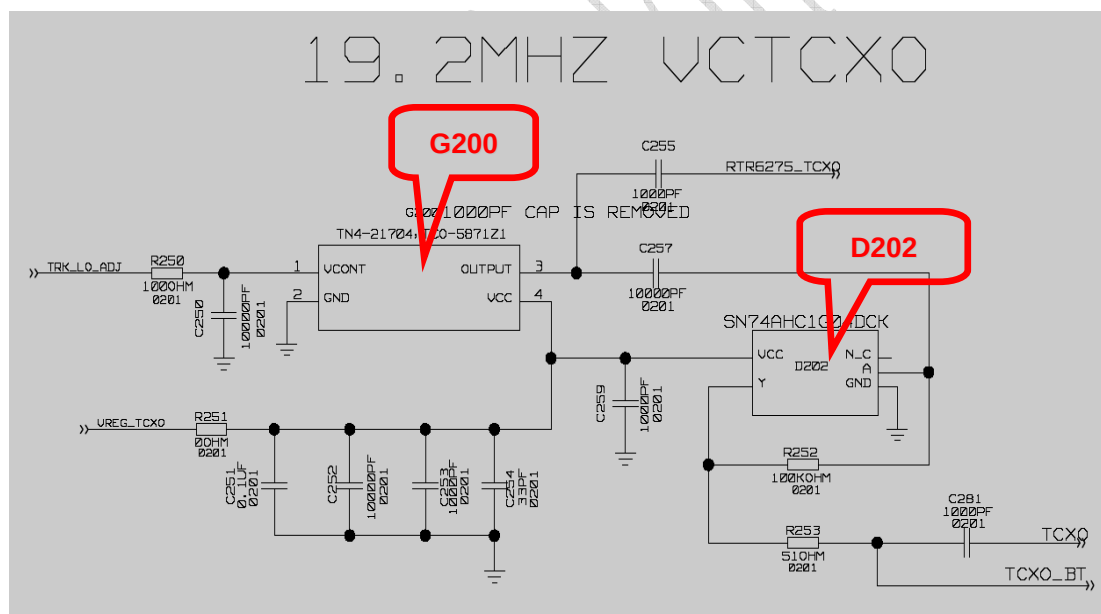
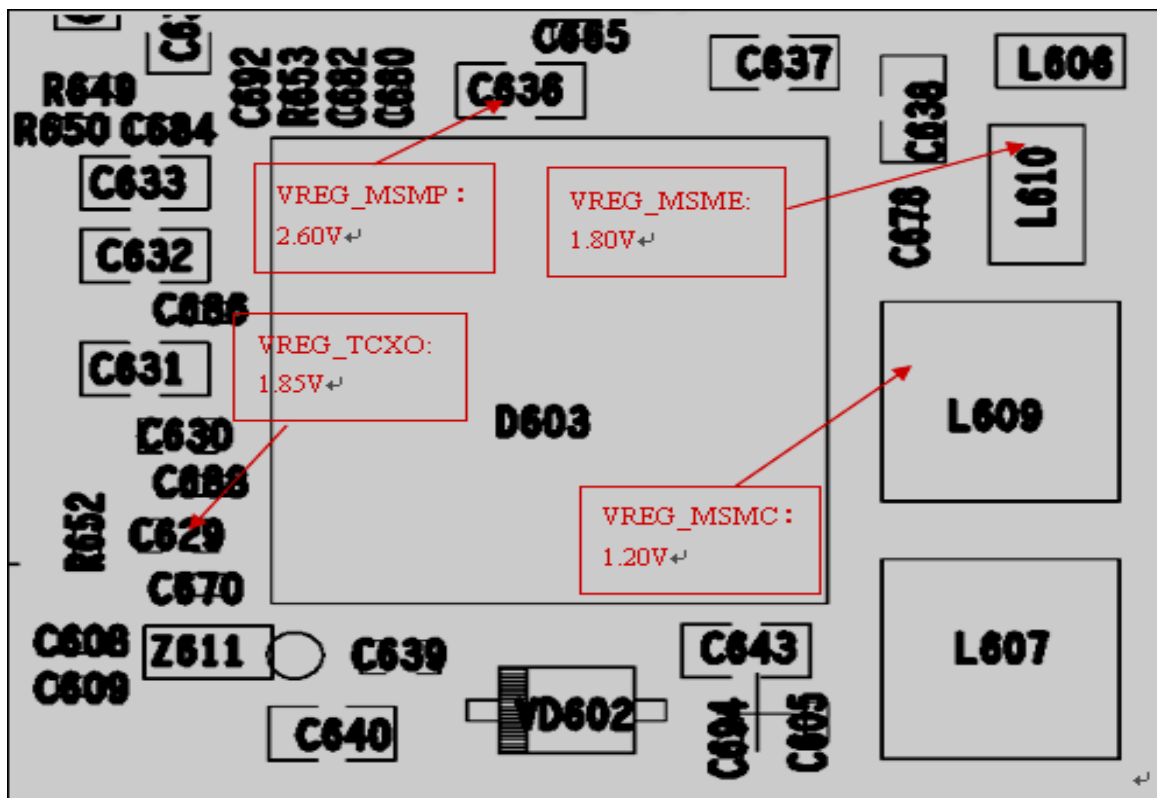
4.11 Adjust faults



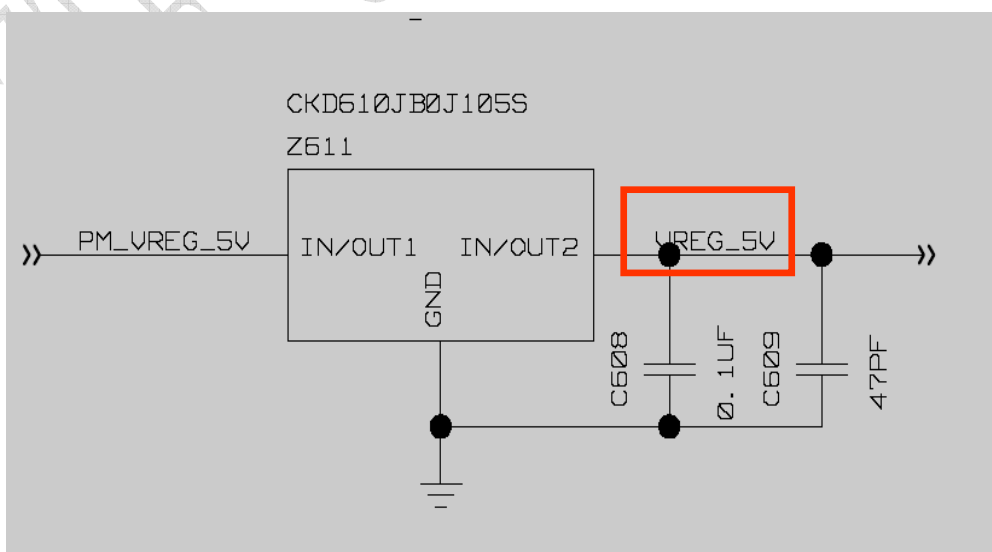
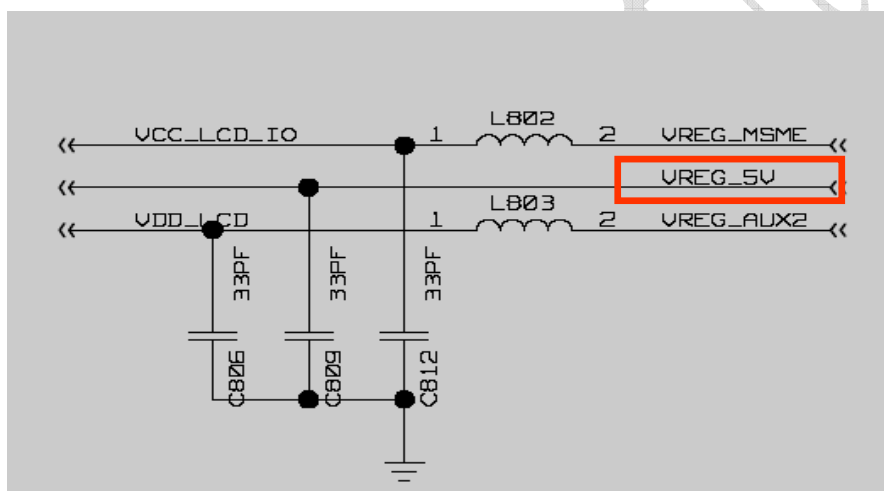
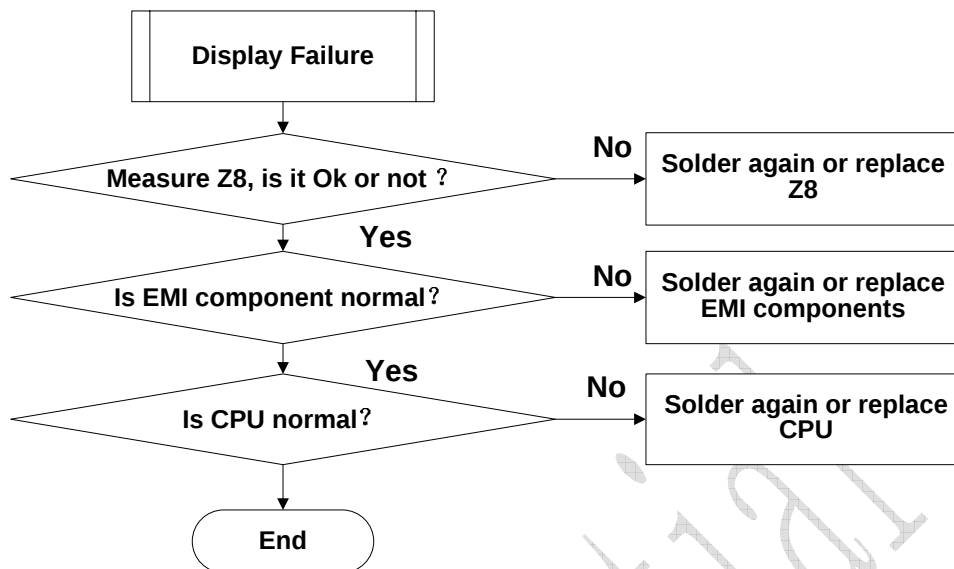
5. Basic Flow chart of familiar troubleshooting (second level)

5.1 Switching on failure

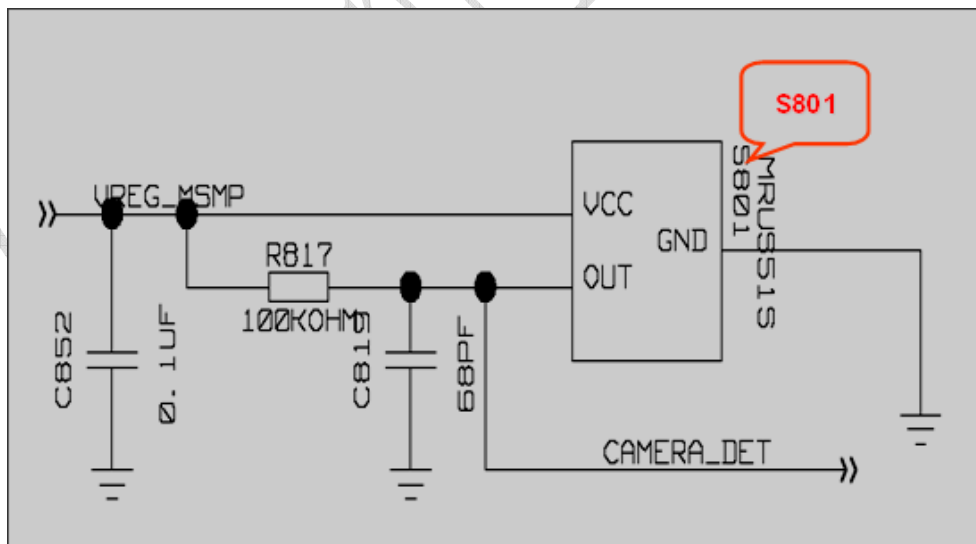
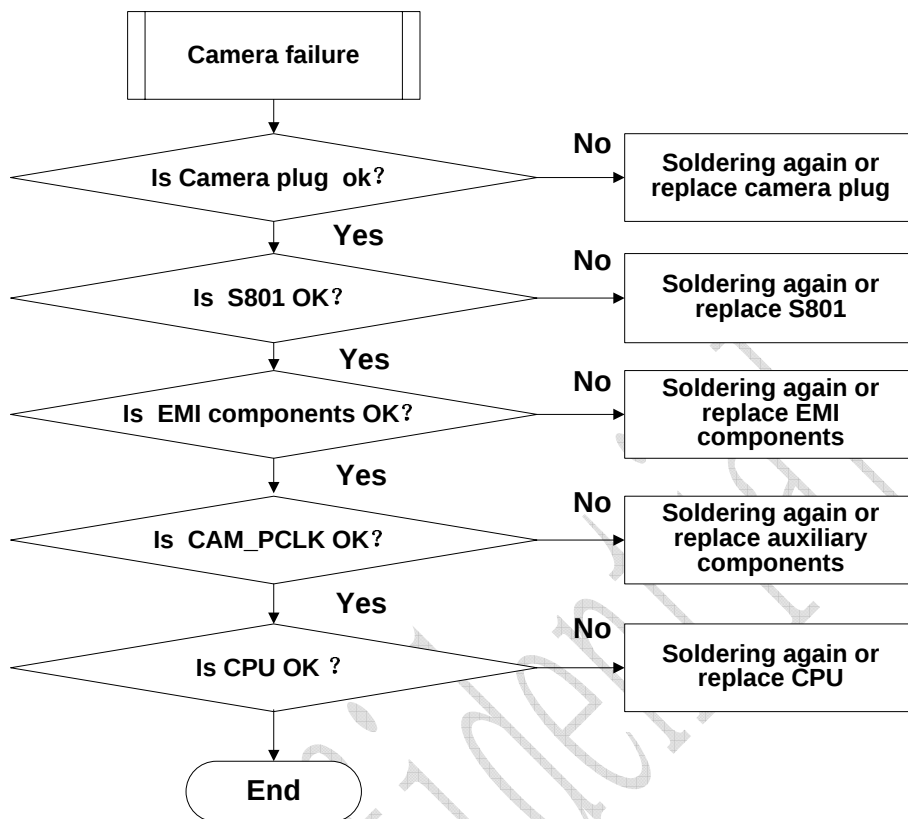




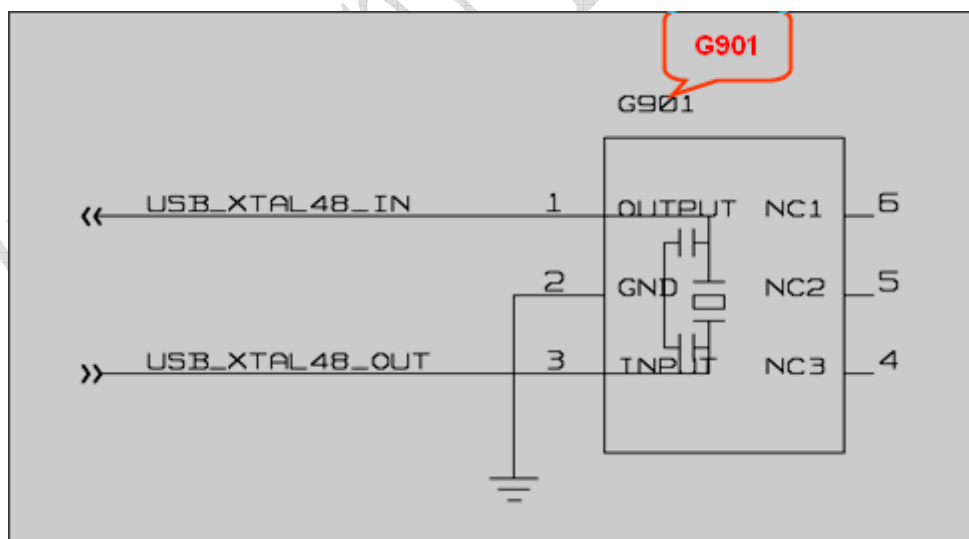
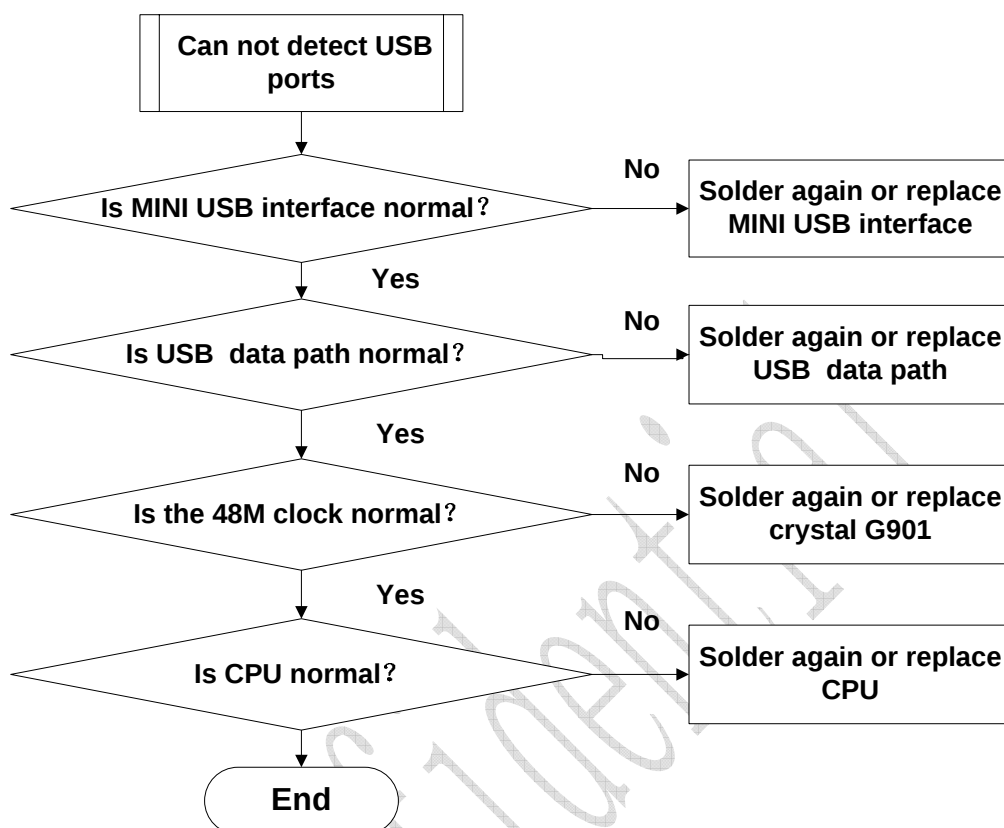
5.2 Display failure



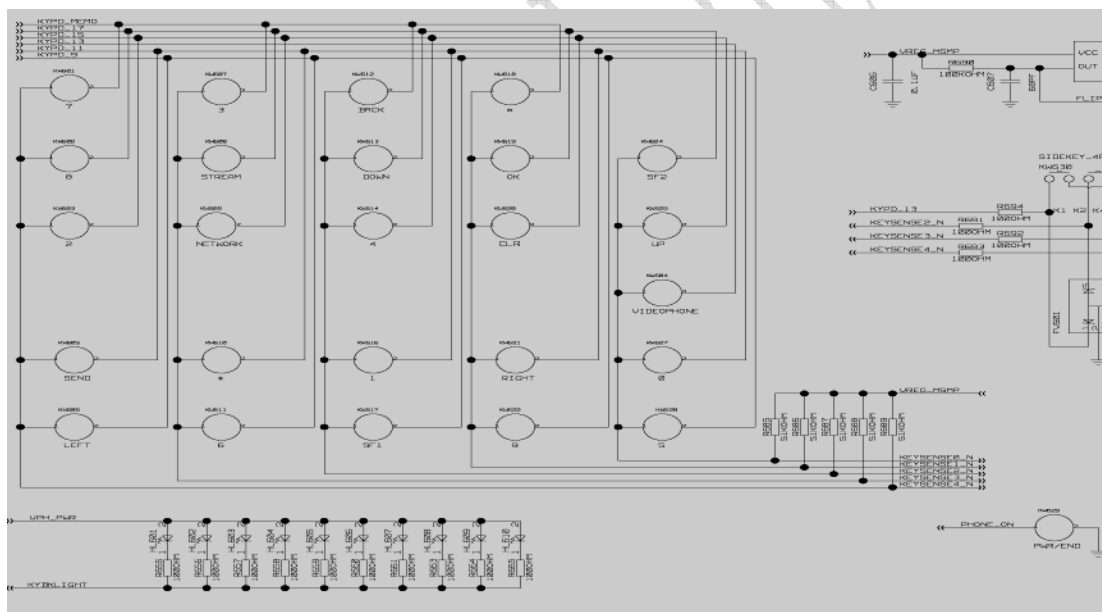
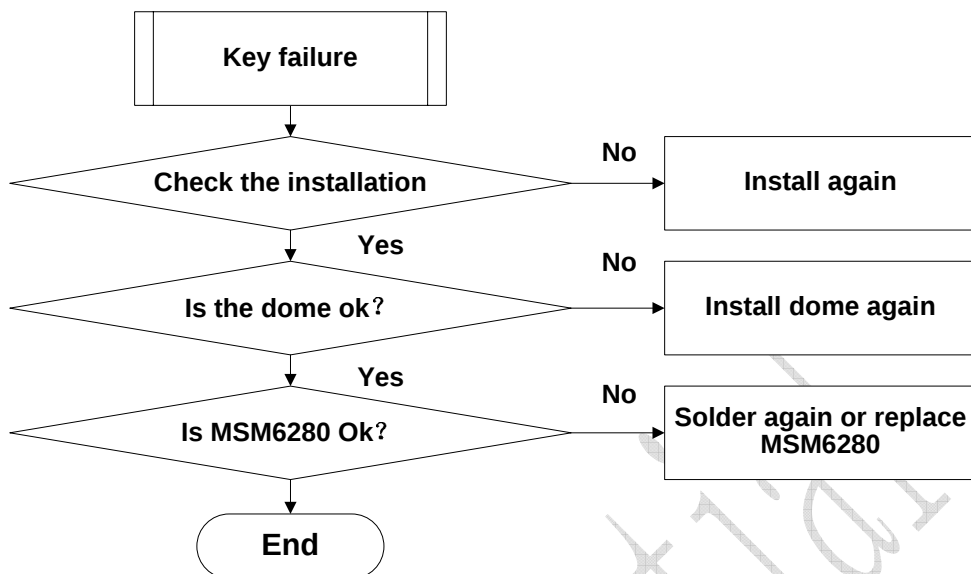
5.3 Camera failure



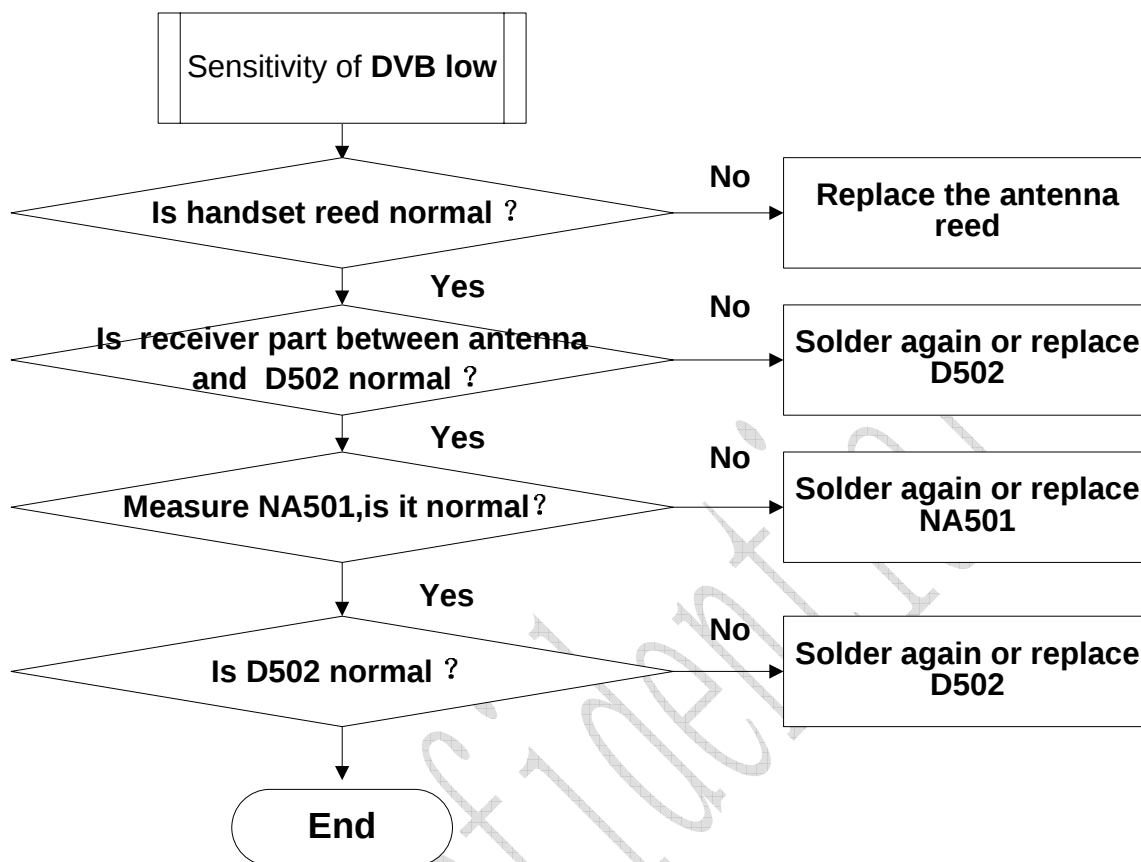
5.4 Can not detect USB ports



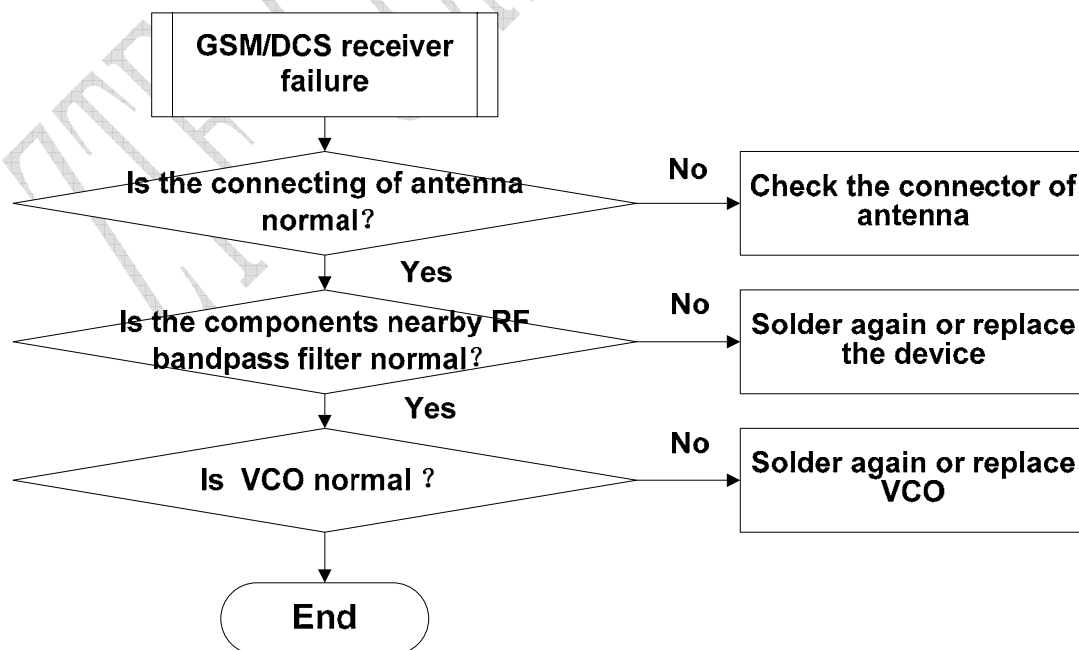
5.5 Key failure

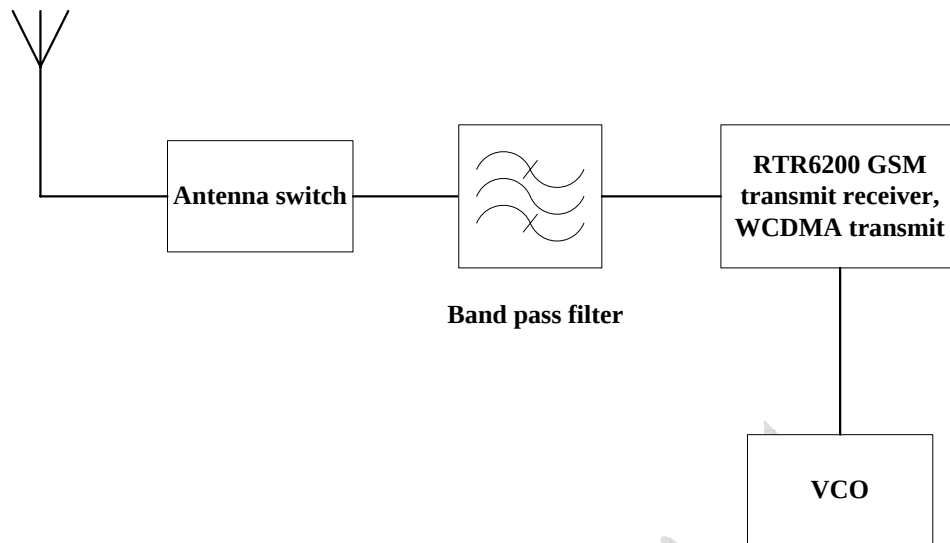


5.10 Sensitivity of DVB low

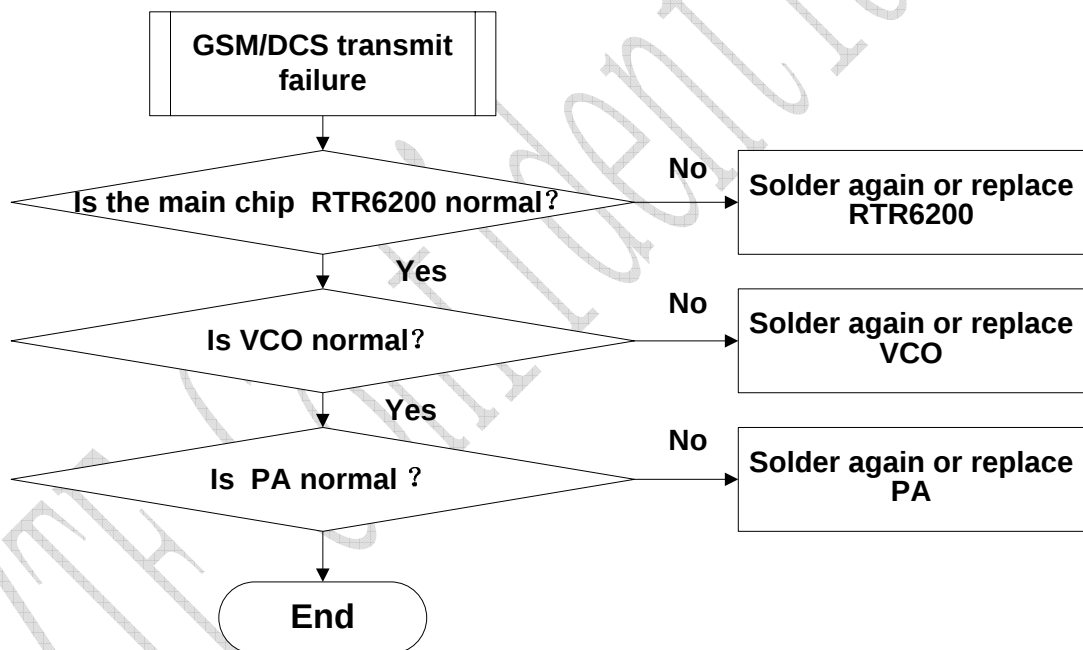


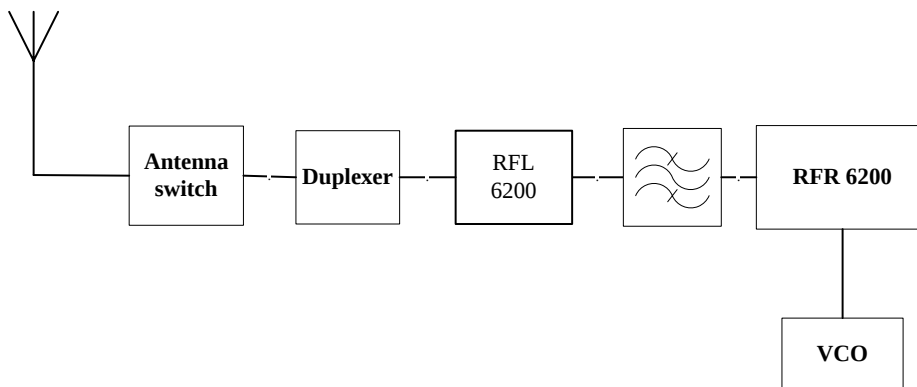
5.11 GSM/DCS receiver failure



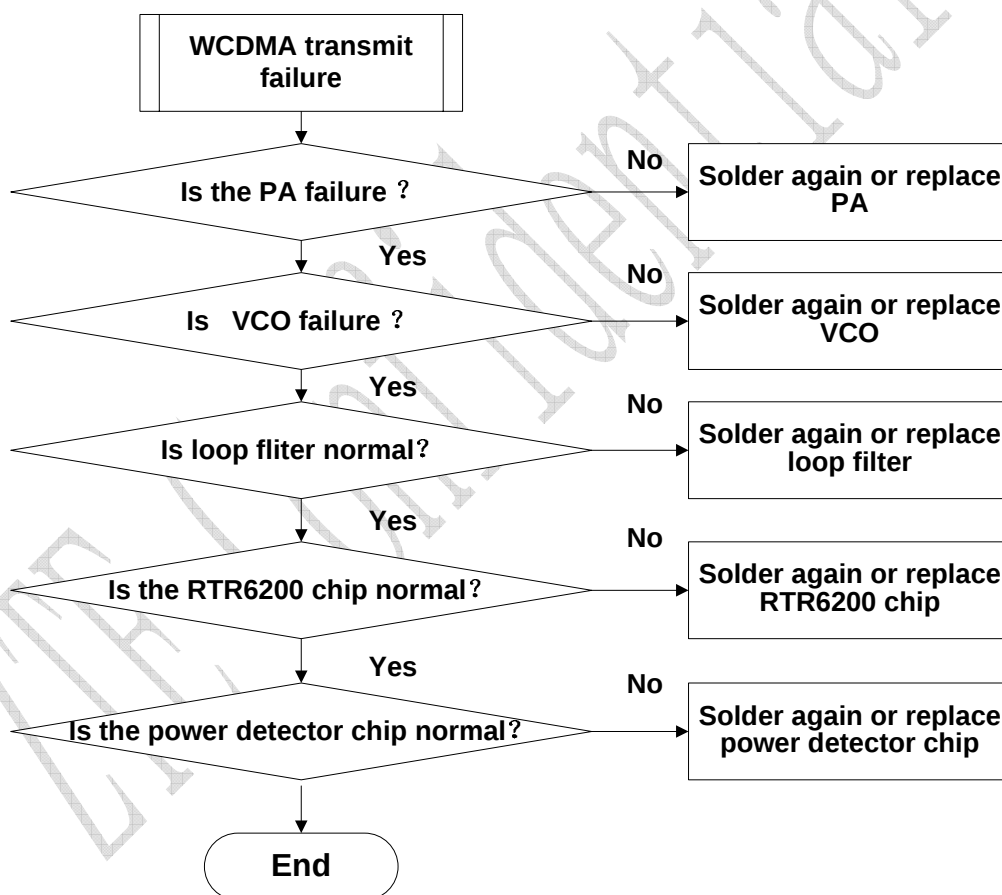


5.12 GSM/DCS transmit failure





5.13 WCDMA transmit failure



5.14 Coupling failure

