DEBUG GUIDE
LEVEL 3
C33x

Indice:

MOTOROLA

NO POWER UP

Connect the phone with battery from USB port to Radiocomm, switch on the phone.
Is the phone switch on?

YES → **END**

NO

Disassembly the mobile and see the keypad, ¿is it dirty or bad positioned?

YES → **Replace keypad**

NO

See the battery connector S800, is it dirty or bad soldering?

YES → **Replace S800**

NO

Measure in this points:
DIG_1.875= 1.8v in C933
I/O 2.65= 2.6v in C921
Is it ok?

YES → **Go to "A" in pag.4**

NO

Replace U900

MOTOROLA

"A"

NO
POWER UP

Measure in
CS0B,
Is there the signal of
FLASH´s dates signal?

NO → Replace
U701

YES

Measure in
CS1B,
Is there the of SRAM´s dates
signal?

NO → Replace
U705

YES

Measure in
Y901,
Is there the clock's signal
26MHz?

NO → Replace
Y901

YES

Replace
PCB

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Connect the phone, with external supply, from USB port to Radiocomm, switch on the phone and put it to transmit.

NO TX

Measure in R152, Is there the TX_CP signal? — **NO** → Replace U800

YES

Measure in FL300, Is there the TX signal? — **NO** → Replace U150

YES

Measure in J100, Is there the TX signal? — **NO** → Measure in VM_REG, is there the 4.7v? — **YES** → Replace U300

YES

Replace PCB

NO

Replace U900

MOTOROLA

Connect the phone, with external supply, from USB port to Radiocomm, switch on the phone and put it received. Inject a signal (-50 dBm) to external connector (J100).

NO RX DCS

Is there the same signal generator in the pad 6 of FL130?

NO

Measure in VM_REG, is there the 4.7v?

YES

Replace U300

NO

Replace FL130

YES

Is there is the same signal generator in the pad 3 of FL130?

NO

Replace FL130

YES

Replace U150

MOTOROLA

Connect the phone, with external supply, from USB port to Radiocomm, switch on the phone and put it received. Inject a signal (-50 dBm) to external connector (J100).

NO RX GSM

Is there is the same signal generator in the pad 9 of FL130?

NO

Measure in VM_REG, there is the 4.7v?

YES

Replace U300

YES

NO

Replace FL130

Is there is the same signal generator in the pad 1 of FL130?

NO

Replace FL130

YES

Replace U150