

FC312E is a Cordless Phone which only supports GSM band. The GSM frequency band includes GSM850 and PCS1900.

The original one and the modified one support the same function.

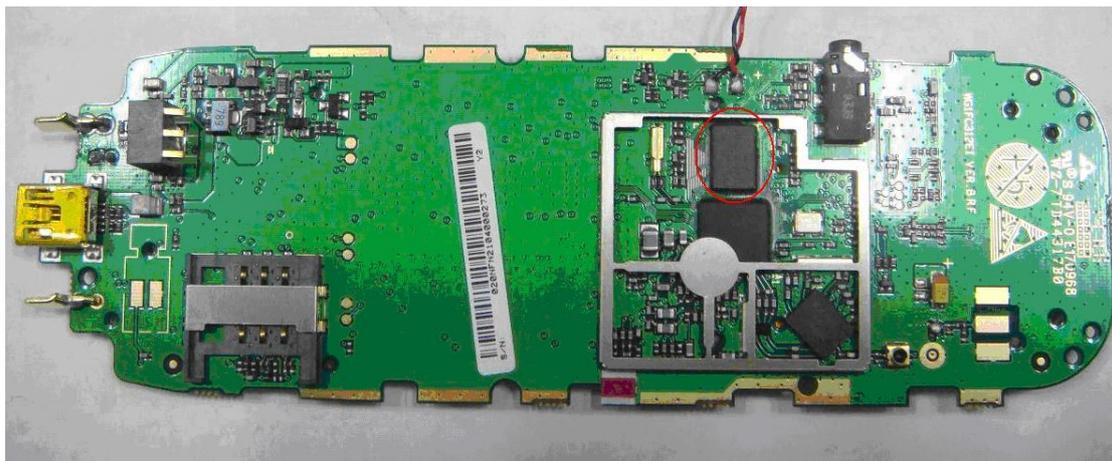
The PCB is different. The differences between the original and the modified are: the modified one replaces one component on the PCB, because the new component has different hardware interface, so the PCB layout has little changed to work in the new component.

The followed table is show the difference between the two.

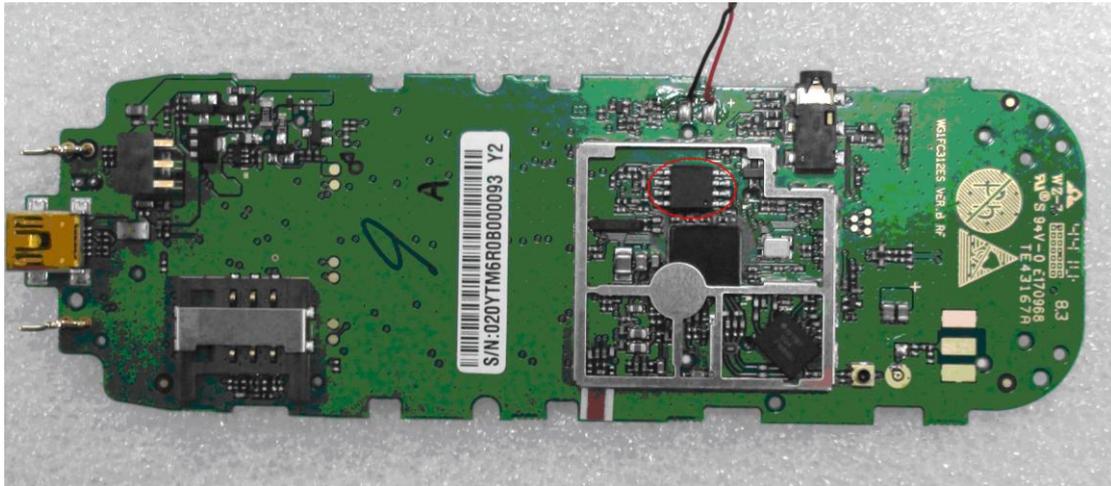
| | FC312E(the original) | FC312E(the modified) |
|--------------|----------------------|----------------------|
| GSM two band | support | support |
| FLASH | Support 32M | Support 32M+64K |
| PCB | the different | the different |
| ID | Common ID | Common ID |

The photos of the two FC312E:

FC312E(the original):



FC312E(the modified):



Explanation:

a) Plastic Shell change:

The plastic shell and the materials of the two are the same.

b) PCB change:

The old one use ADMUX Flash with parallel interface, and the new one use SPI Flash with serial interface. The two kinds of flash have different pin number, encapsulation and size; ADMUX Flash is BGA enveloped, SPI Flash is SOP enveloped, but the two perform the same function, therefore, the PCB layout has little changed to work with the new component.

c) Antenna change:

The antenna has not changed.

d) Related change:

The chipset and the platform are the same.