

WP635 Circuit Diagram Description

WP635 is a GSM fixed wireless phone, which can operate with 850-1900MHz. Because it has a strong module, it own wonderful function. It can call, send SMS, go GPRS, FAX and so on.

The whole PCB board includes main board, modules and interfaces. The main board mainly includes SIM card circuit part, handset, keypad board interface, speaker phone ,antenna and LCD interface. The microphone of handset connect with 34th,35th,36th and 37th foot of the module by mic_p and mic_n. The microphone of speaker phone connects with 31th,32th ,38th and 39th foot of the module by spk_p and spk_n. The backlight control foot is 22th.the GND of the module is 5th ,12th,40th,53th,60th,62th.the power of module is 42th.sim circuit connects with 54th,55th,56th and 57th foots of module by sim_clk,sim_i/o,sim_RST and sim_vdd. The keypad board and LCD board are connected by JP1.The data interface is RJ11(JP3). Power supply is AC 100V-300V.

Working process is as following: firstly the audio signal sent is converted from sound wave signal to voice signal by telephone transmitter. Secondly it is sent to the module by mic_p and mic_n, the simulation electric signal is converted to digital signal, and it is coded and encrypted. Last the ampliative signal is sent out by antenna from 61st foot of the module.