Description of circuit

This electronic circuit is suit for 9- 25Voltages auto,it has a protection function for electronics current more than 3 amperes. Inputing voltage will be changed as 9V,3.8V,2.5V after voltage regulation circuit,it will supply regular and reliable working voltage for FM1073、KA2206、EM78P153 and bluetooth module.

The function of all the circuit will be avaliable by EM78P153, bluetooth part is CSR BC4 chip,RF atenna is cupper foil circuit board,so it is suitable for bigger temperature range.(MCU. P66) High PWLof IC4 in the circuit will let the bluetooth module work,the bluetooth module receives the audio signal,after the DSP(FM1073) process to cancel the echo and noice,the audio signal will be amplfied by IC6,then the audio signal is sent to speaker or car audio.At the same time,the signal of microphone will be processed by DSP(FM1073) to cancel the echo and noice,them it be sent to the mobile phone by bluetooth module. 8 feet IC4(8 feet follows the 7 foot) is for volume up,9 feet IC4(8 feet follows the 7 foot) is for volume down. The 12 feet of IC4 is for checking the the pulses signal from function keys,after processed the pulses signal ,it will controll the relative units to run the function(such as accetping the call,refusing the call,swith the handsfree and handset,call back the

lastest phone number etc.)

Bluetooth technology is for wireless connection between short distance equipments.its working frequency is 2.4GHz,the max. distance range is 10 meters,so it is instead of cable connection between the equipments.transfering rate between the bluetooth equipment can be 720kbit/s. in order to avoid ing the influence by other equipments,the bluetooth technology uses the “ship frequence” technology to expand the frequency spectrum,it is divided into 79 frequences between 2.402GHz and 2.480GHz by 1MHz. When the bluetooth transfers the data,its frequence jumps from one frequence to the other frequence,and it change the frequence the 1600 times per second,that is to say it stops 625μ second in each frequence.the quick frequence ship and small data bag can let the bluetooth equipment avoid the influence from the other wireless equipment.