

1. Handset

1.1 TX

MIC signal output to U2 (DLH36000) via pin 42(MIC_N),pin43(MIC_P).when TX signal is received by U2, then processing via A/D, then output to RF by pin45(TXMOD).RF send TX to BASE.

1.2 RX

When RF receive the signal, after demodulation then send to baseband controller. baseband controller process the signal and transform to voice output to receiver(via pin 33 HS_out, pin 34 Lout0) or speaker(pin29 SPOUTP,pin31 SPOUTN)

Related component:

C24,SPK2,C55,C56,C57,SPK1,R70,EC9,R74

1.3 3.3V REGULATOR

3.3v regulator supply DC power for VCCR,VDD,VCCA,VCCRFPA. Related components:U7,Q11,R91,R92,D8,D9.

2. Base

2.1 TX

Telephone line signal output to U1(DHL36000) via pin 42 and pin 43.the signal processed by U1 then output to RF module via pin 57.

2.2 RX

RF received the signal, after demodulation then send to U1 via pin 66.U1 process the signal and transform to voice output to telephone line via pin34.

2.3 3.3V REGULATOR

Regulator U7 supply 3.3V power for base as well as VCCR and VCCA.

2.4 Ringer detection

Q5 detect the ringer signal and output the result to U1 pin 8.