

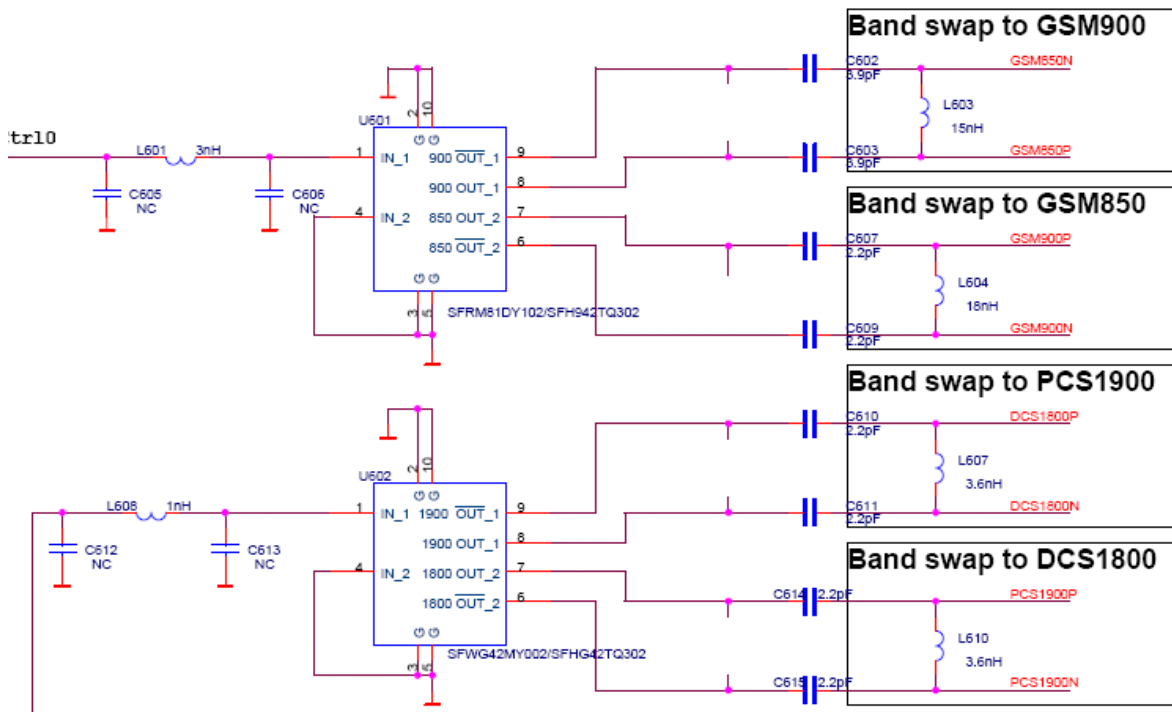
1 RX antenna switch SCH (Refer to SCH)

The aerial signal mobile phone received goes from antenna to RF Connector . RF Connector, which is a special parts developed for RF test. By connecting RF cable to spectrum analyzer, you can measure RF signal.

Signal output from RF Connector will be input to the Dual band front-end module U603 (RF7170). The module has two RX ports for GSM850/EGSM900 and DCS1800/PCS1900 bands of operation. The two RX ports are symmetrical; they can be used either as GSM850/EGSM900 and DCS1800/PCS1900 bands of operation. To control the mode of operation, there are three logic control signals: TX Enable, GpCtrl0, and GpCtrl1.

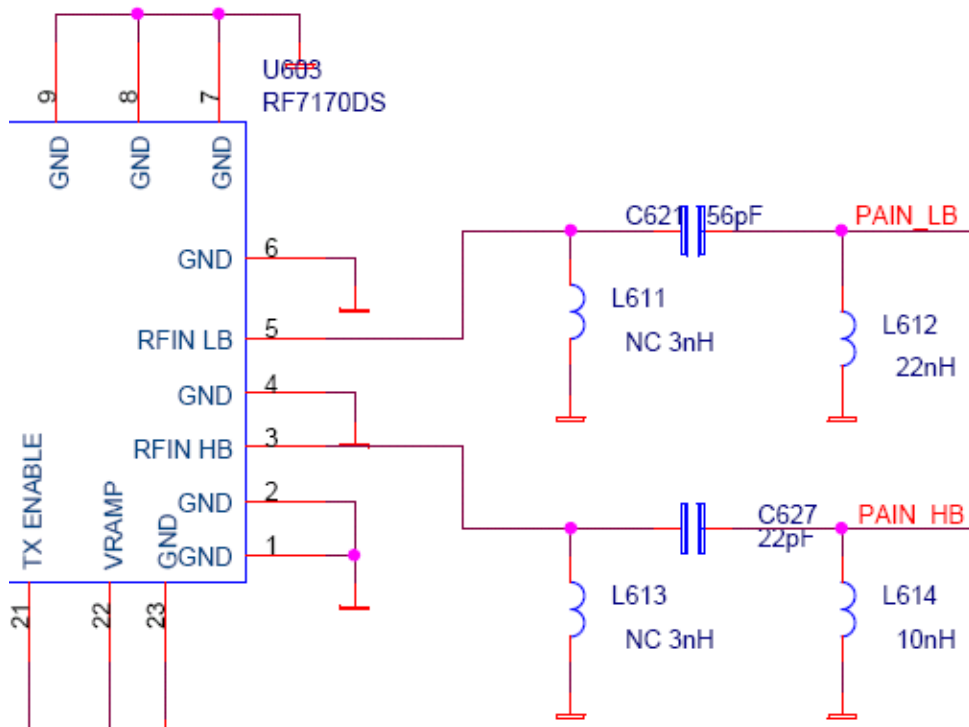
TX Enable	GpCtrl1	GpCtrl0	TX Module Mode
0	0	0	Standby
0	1	0	RX0 RX Mode
0	1	1	RX1 RX Mode
1	1	0	GSM850/EGSM TX Mode
1	1	1	DCS/PCS TX Mode

2 RX SAW Filter SCH

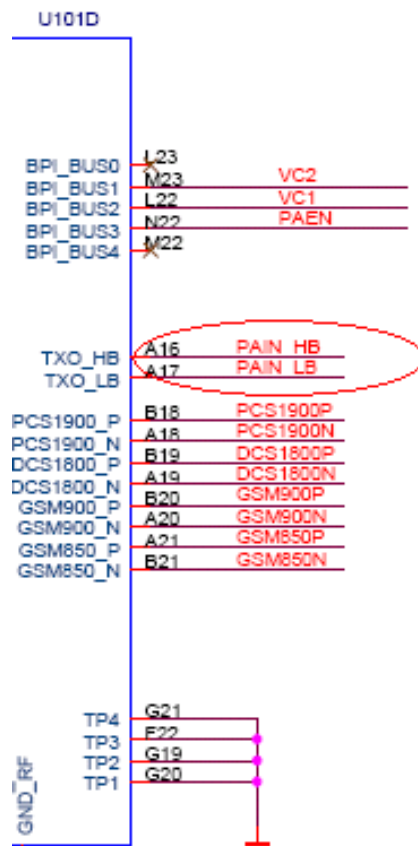


The RX signal output from RF SW, then input SAW filter .changed two difference signals in SAW filter, than input the CPU U101.

3 TX transceiver SCH

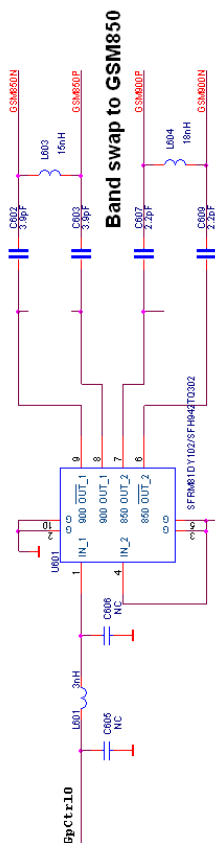


RFPA 3,5 pin connected to the CPU 101 of the A16, A17 pin

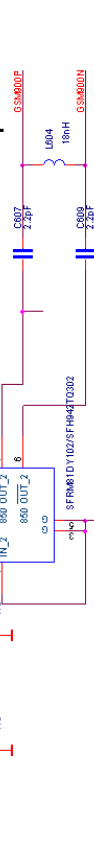


The RF overall schematic as up. It contains the TX path and RX path. The signal received from the air will be demodulated in CPU through RX SAW and Transceiver, Then the original voice signal will driver the receiver. At the same time the signal from microphone will be sent to transceiver through CPU, then be amplified by F PA, at last sent to air from the antenna switch.

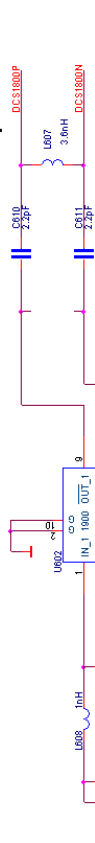
Band swap to GSM900



Band swap to GSM850



Band swap to PCS1900



Band swap to DCS1800

