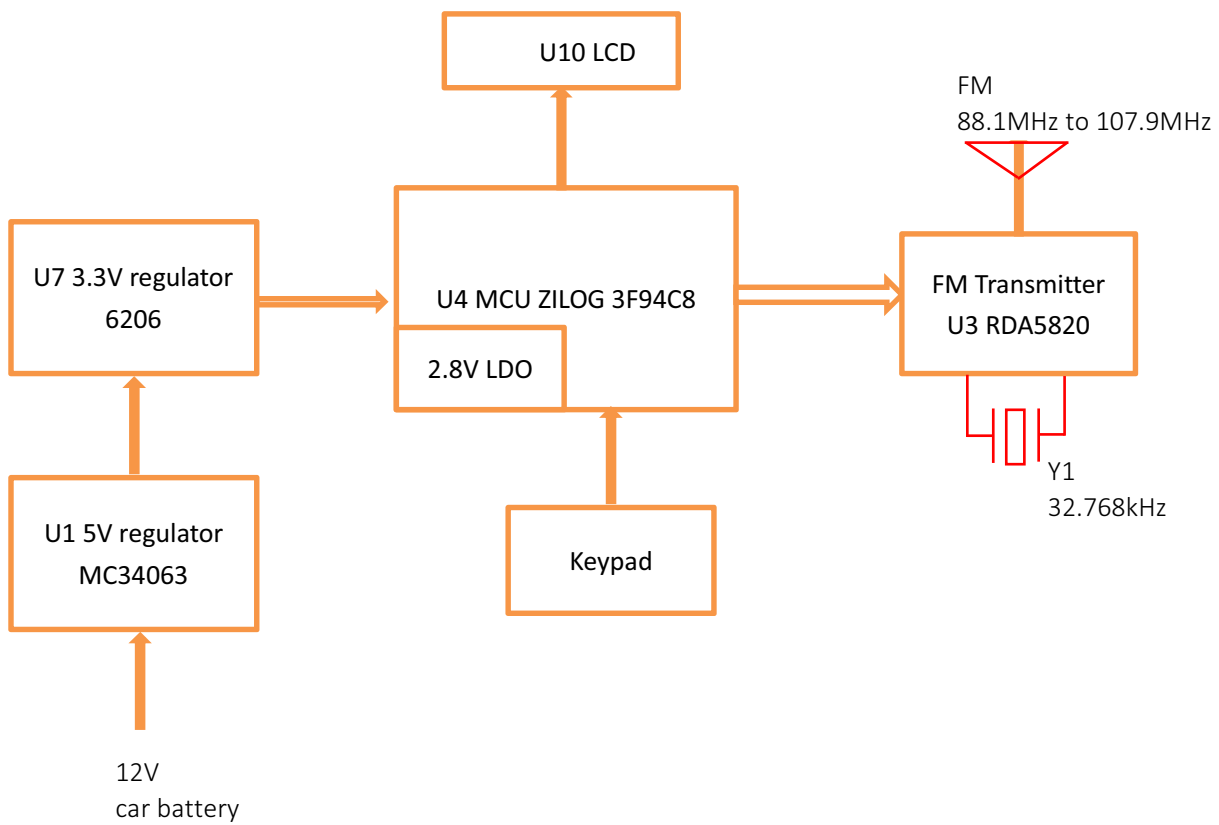


Block Diagram



3 Functional Description

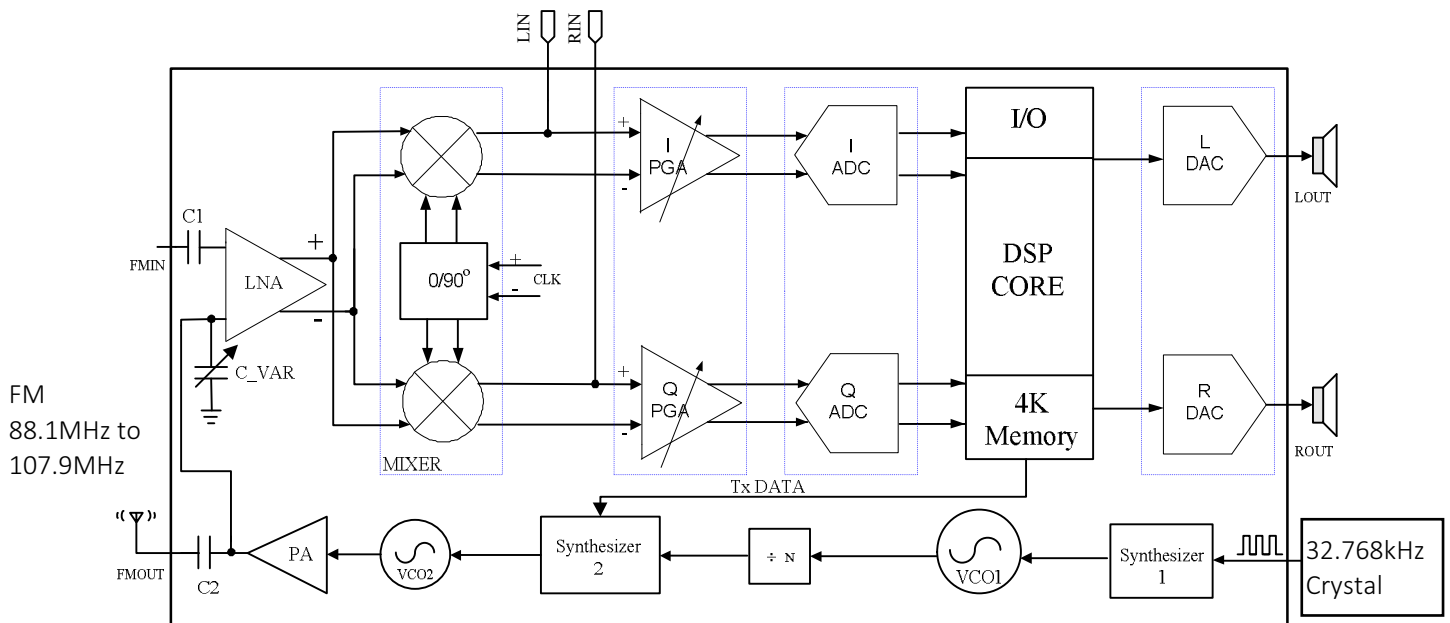


Figure 3-1. RDA5820 FM Transceiver Block Diagram

3.1 FM Transceiver Structure

The RDA5820 is a single-chip FM transceiver (Rx/Tx). Based on RDA patented dual synthesizers RF structure, it has perfectly FM receive and transmit performances, also least external components. The RDA5820 integrate 4K memory, this make it have additional advantage such as saving frequency or datas.

Except FM receive and transmit, the RDA5820 also have I2S input/output, audio amplify, integrated PCB antenna functions. All these make it very suitable for portable devices.