

LOYAL TECHNOLOGY CO.LTD

Model No: 無線地毯

CIRCUIT DESCRIPTION

Receiver Circuit

The built in antenna inductively coupled to Q1 9018S RF amplifier and mixer. The U2 LMV358 is Data amplifier and data comparitor. The data is then routed to data control circuit U3 HT-12D. The data control circuit U3, Control The sound IC U4, The output of the U4 coupled to speaker.

Transmitter Circuit

Q6 is the crystal oscillator which is modulated by the output of the data control circuit U1 HT12E. The data input is from key. The output of the RF amplifier coupled to the transmitter antenna.

Power and Ground

Energy is supplied by 1.5V × 3PCS AAA batteries for RX and Button CELL CR2016×2PCS for TX. No external ground connection is provided and what ground that's available is from the printed circuit board.