



Model No: 91350-27MHz

CIRCUIT DESCRIPTION

In transmitter, press the Forward, Backward, F1, F2, Forward & Left or Forward & Right, Backward & Left or Backward & Right, output U1 pin10 supply encoding signal. The Microphone feeling Sounds and Q1 is a Amp. Q2 & X1 is a crystal oscillator of 27.045MHz frequency. Q3 is a modulator. Output of Q3 drives the transformer L1. The antenna is coupled to the modulator by the transformer.

In receiver, L1 is tuning 27.045MHz frequency. And Q2 is a Mixer, Q1 & Y1 is a crystal oscillator of 26.590MHz frequency., T1&Q3&T2 make up of AM IF Amp. Q4 is a Radiodetector, U1 is a signal amplifier and decoder, it controls the output of U1 pin12, 13 and pin7, 9 and pin6, Q7, Q8 are regulator. Q11, Q12, Q13, Q14, Q15, Q16 are Forward And Backward motor driver, and Q9, Q10, Q17, Q18, Q19, Q20 are Left wheel And Right wheel driver.

The U1 pin 6 output an encoding signal by triggering U2 pinA1, B0. U2 is a MCU, it controls the output of U2 pinC0, C1, C2, C3, D0, D1, D2, D3, A2, A3 by triggering I2, I3, I4, I5, I6, I7. and Q1 are regulator. Q10---Q22 are out motor driver. Q2---Q8 are out driver Led.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external 48 centimeters long antenna. The antenna is inductively coupled. The unit relies on the ground tract of the printed circuit board. No external ground is provided. Energy is supplied a 9-volt battery.