

Model No: 91311-27.145MHz

CIRCUIT DESCRIPTION

In transmitter, push the Forward, Forward&left, Forward&Right, Backward&left, Backward&Right, Backward, A mode, B mode button output IC1 pin 10 supply encoding signal. Q2& X1 is a crystal oscillator of 27.145MHz frequency. Q1 is a modulator. Output of Q1 drives the transformer L1. The antenna is coupled to the modulator by the transformer.

In receiver L1 is tuning 27.145MHz frequency. And Q1 is a RF amplifier and detector stage. IC1 is a signal amplifier and decoder, it controls the output of IC1 pin12, 13, 7, 9, 6 and pin7. Q4, Q5, Q6, Q7, Q8, Q9 are Forward And Backward motor driver, and Q10, Q11, Q12, Q13, Q14, Q15 are Left And Right motor driver. Q18, Q19, Q20, Q21, Q22, Q23 are Reset and Distortion motor driver. in addition, the SCM controls flash LED, voice, jump and sound box of the unit: Q35 is voice drive, Q25, Q26, Q27, Q28, Q29, Q30, Q31 are flash LED drive, Q23, Q24 are jump drive, Q21 Q22 are sound box drive.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external 25 centimeters pull staff 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.