



Model No: 91276-49.860MHz

CIRCUIT DESCRIPTION

In transmitter, press the Forward, Backward, Left or Right, Turbo, Spin out, output IC1 pin 10 supply encoding signal. Q2 & X1 is a crystal oscillator of 49.860MHz 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 49.860MHz frequency. And Q3 is a RF amplifier and detector stage. IC1 is a signal amplifier and decoder, it controls the output of IC1 pin12, 13 and pin7, 9 and pin6, 14. Q7, Q13, Q8 and Q14 are regulator. Q1, Q9, Q2, Q11 are Forward And Backward motor driver, and Q10, Q19, Q12, Q21 are Left And Right motor driver.

The IC1 pin 6, 14 output an encoding signal to IC2 pin5, 6. IC2 is a MCU, it controls the output of IC2 pin10, 11. Q18 and Q23 are regulator. Q20, Q25, Q22, Q26 are Spin out motor driver.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external flexible 31 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.