



Model No: 91355-49.860MHz

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 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 T1 is tuning 49.860MHz frequency. And Q1 is a RF amplifier and detector stage. U1 is a signal amplifier and decoder, it controls the output of IC1 pin12, 13, 7, 9, 6 and pin8. Q2 are vehicle Light driver. Q3, Q4, Q5, Q6, Q7, Q8, are Forward And Backward motor driver, and Q16, Q17, Q18, Q19, Q20, Q21, Q22, are Left And Right motor driver. Q9, Q10, Q11, Q12, Q13, Q14, Q15 are Up and Down motor driver. in addition: the SCM(U3) controls flash LED, voice etc. Q27 is voice drive. Q26 are flash LED driver, Q23, Q24, Q25 are (U3)Trigger I/O.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external 17 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.