

# Circuit description

## TX (49MHz)

TX is supplied by a 9V battery and regulate 5V1 to the IC GPRC11A-005C. There is a four position selector SW1 to select different ID for the TX. In the TX, there are four function keys S1, S2, S3,S4,S5 & S6 to control the RC car (left, right, backward, forward1, forward2 & forward3). The modulating signal from IOC1 of GPRC11A-005C will be modulated by Q1 with carrier frequency 49.86MHz. The modulated signal will be amplified and pass through Q2 and pass through the matching network to antenna. The matching network consists of L3, C10 & L4.