

JADA TOYS CO., LTD

Project No : 96437

Model Name : Hello Kitty R/C Car

Transmitter and Receiver Circuitry Operating Description

At Transmission Side:

Once the Power switch turns to “Normal”, IC will be at transmission mode. When F or B key is being pressed, GSF51020 IC will send a signal to Q2 via P31. At the same time, P30 will be at high output in order to turn on Q1 and generate a carrier frequency. Then, Q2 will amplify the modulated signal and send out through antenna. (See dia. 1) Press K3 (See dia.3) only has melody sound

On the other hand, when the power switch turns to “ Try me ”, then it has melody sound without R/F signal.

Power supply is 2 x AA battery.

At Receiver Side:

SI turn to “On” will wake up RLRX2 IC. When antenna receives the modulated signal, it will be demodulated at Q3. Decoded signal will go to VI1 and VI2. Also, RLRX2 will send out control signal to Q4 and Q7 in order to control Motor (M1) forward and backward motion. Power supply is 3 x AA battery. (See dia.2)