

## TX

### 1. Power control

Regulate 9V to 5V through power circuit including Q1 S8050 and D1 5.6V zener diode. The regulated 5V voltage will be supplied to U1 TX IC GPRC11A.

### 2. Key encoder

Encode 8 keys S1-S8 (Forward/Backward, Left/Right, Wheel Spinning, Front/Rear up & All-in-one) in U1. There is a 4-position ID switch SW DIP-2 to select different RC car ID.

### 3. Encoded signal is modulated with carrier frequency 49.86MHz. The signal will be amplified through Q3, matching network & radiated from antenna.