

### **Circuit Description**

**Model:XL-001-AC6939B V1.0 20190329**

The 24MHZ crystal oscillator drives the base of Y1.

The modulation provided by AC6939BU1). The output of AC6939B module (U1)has the matching network consisting of L1, L2 and C8 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 2.4GHz Ceramic antenna

There is no external ground connection. The ground is only that of the printed circuit board.

Electric current is supplied by a 3.7 Volt primary battery

#### **Feature:**

Frequency Range: 2402MHz-2480MHz

Modulation Type: GFSK,  $\pi/4$ -DQPSK,

Antenna Type: PCB Antenna

Crystal: 24MHz

Hardware Version: XL-001-AC6939B V1.0 20190329