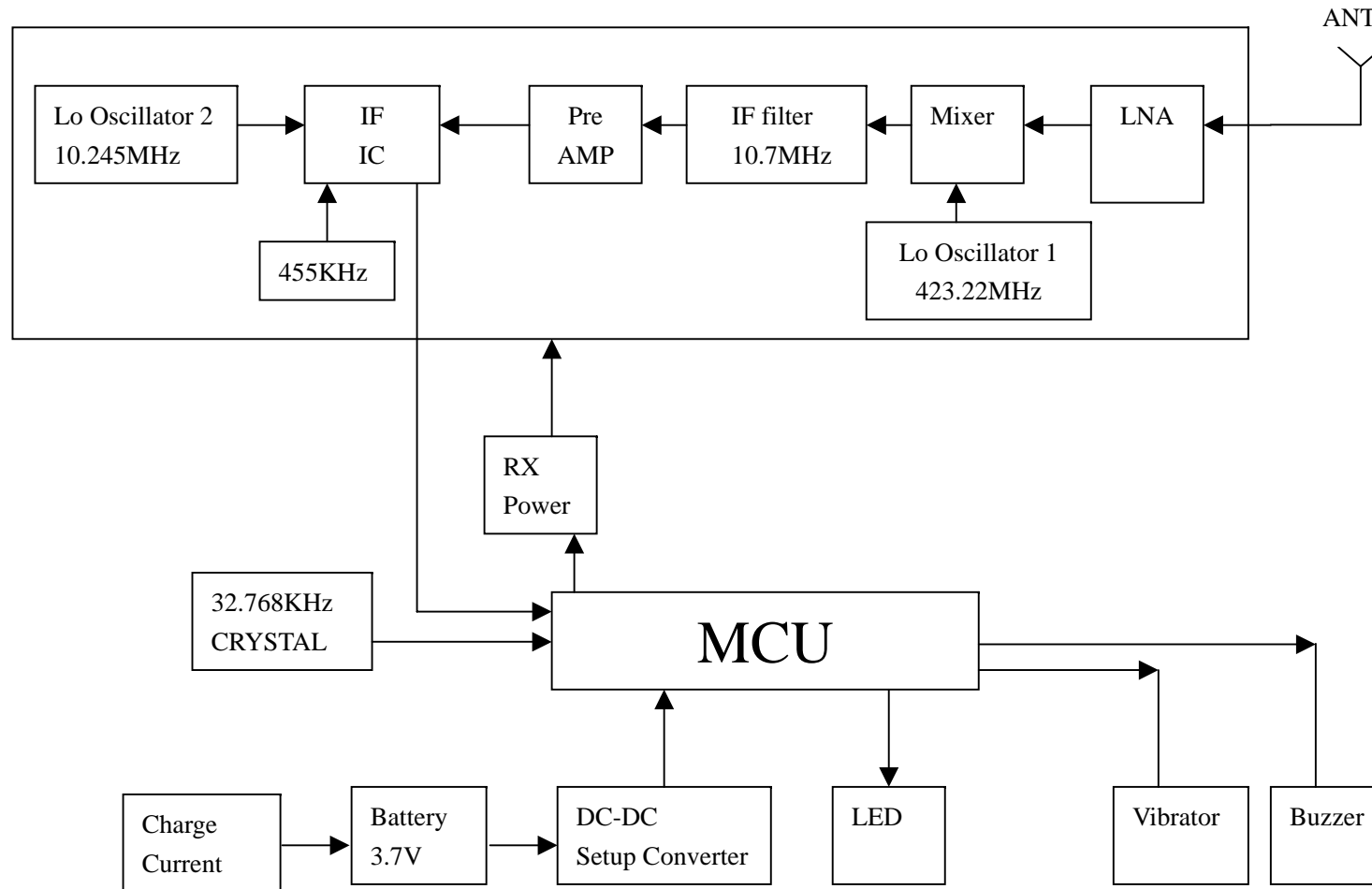


KENWO INDUSTRIES LIMITED

91672-07 BLOCK DIAGRAM (REMOTE)



Introduction of 91672-07

Part MCU

This part of electric circuits mainly are composed of a MCU U2 、 a crystal X2(32.768KHz) 、 reposition IC U1 and its peripherals electric circuit.

A 32.768 crystals X2 and U2 5, 6 feet compose a crystal oscillating circuit, provides a fundamental frequency to MCU. U1 and R4, C16 compose a reset circuit.

The LED drive electric circuit is composed of Q5, Q6, Q12, Q14, Q18, LED1, LED2, LED3, LED4, U2 and its peripherals components, provide the user for indication with all kinds of flash lamps when receives the alarm .

The motor drive electric circuit is composed of Q1, M1, R12, R39 and the U2 3 foot., the motor of this circuit will vibrate for the user with vibrating when receives the alarm.

The **buzzer** drive electric circuit is composed of Q2、BZ1、R1、R5 and the U2 10 foot, it will send out all kinds of sound to indicate the users.

The U2 8 foot and R16 are connected to U5 (receiver IC RX3140) 13 feet , to control the power of the RX electric circuit, it may play saving power role.

The battery low voltage examination electric circuit is composed of R8, R9, the R41 and U2 11 foot, to examines the battery voltage whether is excessive low.

The charge examination electric circuit is composed of R18, R28, R31 and U2 12 foot , to examine the charge for battery whether is full.

The U2 16 foot and R2 is connected to U5 (receiver IC RX3140) the FSKOUT foot, carry on all kinds of control functions after the digital signal inputted is processed by the U2.

The U2 9 foot is connected to SW3、R19、C27, SW3 can switch machine and the

function transformation.

The U2 14 foot is connected to R32、 R38, it can indicate the current condition is carrying on charge.

High frequency receiver part

The antenna matching Network is composed of ANT1、 L3、 L9、 C29、 C19.

The LNA is composed of Q11、 Q15 and its peripherals components.

The first mixer circuit is composed of Q10 and its the peripherals components

After the intermediate frequency 10.7Mhz signal (10.7MHz) is choosed by the filter(CF1), is inputted to the first intermediate frequency amplificatory circuit which is composed by Q13 and its peripherals components.

The first fundamental oscillating circuit is composed of X3, Q8 and its peripherals components , the oscilation frequency is 423.220MHz.

The fundamental frequency amplificatory circuit is composed of Q9 and its peripherals components, to enhance the fundamental frequency scope.

U5 (RX3140) is a received module and its peripherals components together may complete the fundamental frequency、 mixing 、 intermediate frequency amplification 、 distinguish frequency output functions and so on .