1. RX Technical Description

Technical Description

Description	Function	Component
Antenna	Transmit modulation RF signal	Ant
Oscillator	Generate 315MHz HF carrier	Q10,L3,L4,C28,C31
Digital shaping	Shape the received signal to square wave	Q2,Q12
Motor Drive	Control motor vibration	Q7,Q1
CPU	Receive and process data	U2

Amplify the received 315 MHz high frequency carrier through transistor Q10 3356, input to oscillation circuit (composed by transistor Q11 3356, L3 and C31) of this unit for frequency mixing, then input to the data reshaping circuit (composed by transistors Q2 8050 and Q12 8050, separate the data signal from high frequency carrier and transmit to MCU TM58PE10. At this moment MCU output electrical level to control the motor drive circuit (composed by transistors Q7 8050 and Q8 8050), thus to control motor vibration.