

Description of the Wireless Keyboard F8E846 Circuit

The circuit major constitute by DC-DC (IC-U5) converter circuit, MCU(IC-U1) and Low Voltage detector Circuit (IC-U2) and RF FSK Circuit (Q5、 Q6、 Q7).

+3.3V direct current voltage has been provided by IC-U5 and others electronic materials on the keyboard. MCU-U1 will be identified which key did you press. The principle is that 32 and 33 feet IC output TXD and TXP signal to RF FSK circuit. Capacitance three modal of RF Surge frequency signal Data constitute by Data signal TXD processed by Q6, then transmit to Q5 . The Data signal TXD will be transmit from ANT1 by Q7 as magnified.

The Q1 is Reset circuit of MCU, and U2 is IC for inspection low voltage. When the IC inspected batteries as low voltage on 2.1V or less that the D4 indicator LED will light. IC-U4 as an EPROM Memorizer for storage ID code and when we change batteries need not reset it.