

## Circuit Description

Input: DC 5V/3A, 9V/2.22A, 12V/1.67A

USB Output: DC 5V/1A

Wireless charger output: 5W, 7.5W, 10W, 15W

Operation Frequency:

Airpods: 131.32 kHz

Phone horizontal: 127.33 kHz

Phone vertical: 127.35kHz

Conversion efficiency: 50-70%

Charging distance: 1-4mm

The working principle of EUT is based on MCU 9C18S +D004

Three coils for transmitting

1. A mobile phone or other load that supports wireless reception is placed at the coil position, wireless charging is turned on, the coil transmit signal and the receiving coil signal are demodulated, and the signal is fed back to 9C18S. It communicates with the charger protocol, which supports fast charging. to 9V, the load supports fast charging, Q003 receives the 9V voltage signal, adjusts the 9V voltage and converts the DC power into an AC pulse signal through the conversion of 2 sets of Q003+P MOS, and transmits it through the coil.
2. A headset or other load that supports wireless reception is placed at the coil position, the wireless charger is turned on, the coil transmit signal and the receiving coil signal are demodulated, and the signal is fed back to SOP-14. SOP-14 and D004 work, and D004 performs high duty cycle. To work, the voltage meets the 5V power supply for wireless charging and transmitting work. JW5065 receives the 5V voltage signal, adjusts the 5V voltage and converts the DC power into AC pulse signal through the conversion of two sets of D004+P MOS, and transmits it through the coil.
3. When connect to DC 5V, can turn on the LED light through the on/off button, it got 3 different light mode, Cold white, Warm white and Warm Yellow.