

- 1) Micro Controller: U4 is 8 bit micro controller and regularly outputs ASK serial data.
- 2) Radio frequency(Oscillation) part: Q3 is transformed Colpitts oscillation circuit. It oscillates fixed frequency of Y3's Saw Resonator and the high frequency signal that gets Q3's collector transmits through pattern antenna. R9 is Q3's bias resistance. When serial data signal that emits from micro controller is +, Q3's bias gets caught and oscillates. And when data signal is -, it stops oscillating. So, according to the polarity of serial data signal that emits from micro controller, it repeats and stops oscillating so it gives Q3 ASK modulation. R7 works as resistance that limits electric current in Q3's collector. C11 bypasses high frequency noise that flows VCC to GND.