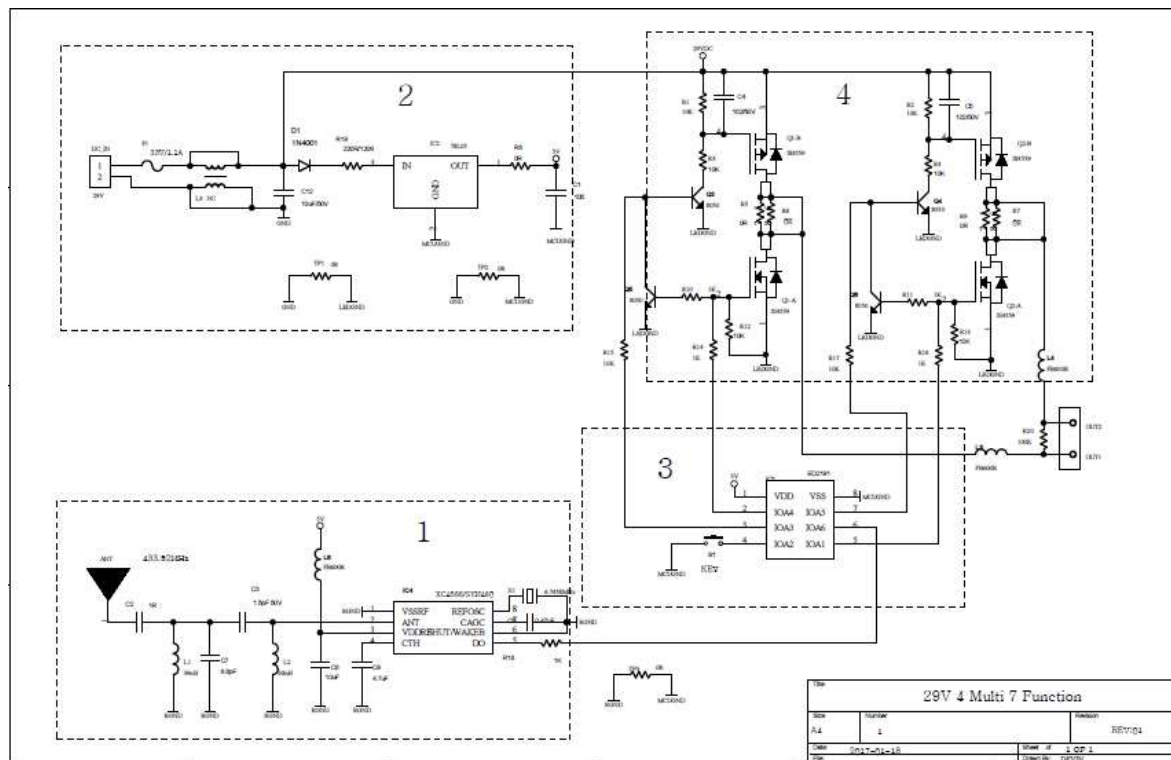


Circuit Description



1, 4 colors with 7 functions. PPCBA: This part is the control circuit. And also include receiver circuit. The IC identification number SYN480 is receiver module is belong to ASK mode. It's operated Frequency is 433.92MHz. Modulation type is ASK. It used the a wire as an antenna, antenna gain is 0dBi. The receiver type of the EUT is super heterodyne.

2, IC2/78L05: This part is power integrated regulator circuit. Transfer the DC 29V to DC 5V provide power for other circuit.

3, IC1/ED2191: This part is MCU circuit. The ED2100 serie EPROM/ROM-based 8-bit CMOS microcontrollers, it employs RISC architecture with only 42 instructions. All instructions are single cycle except for program branches which take two cycles.

4, SI4559: This part is MOSFET dual drive circuit that proved power to LED loading.