Circuit Description

Main board connector consists of the following components:

1. Power Supply Circuit: The Transmitter is powered by SMPS at 29V

2. DC to DCcircuit：Through the control chip IC3 (LM317T), 29V inputpower is converted tomotherboard power 3.3V.

3.Ledcircuit：H1-H2 forstatus Indicator.

4. Keyboardcircuit：S1 pairing key。

5. RF circuit：RFchip (Manufacturer ： Nordic Semiconductor,Model:NRF24L01+) external crystal oscillator 16 MHz, through frequency multiplier (working frequency 2403MHz-2480MHz), throughtheRF circuit,transmit-receive data from remote to MCU transmit to the terminal equipment.

6.The JLDP.15.010.001 has 78 channels in 2403MHz-2480MHz,the program will randomly select a channel as communication channel and user can't change the channel forever.The center frequencies of each of these channels is in below.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403	40	2442
2	2404	41	2443
…	…	…	…
38	2440	77	2479
39	2441	78	2480