

**Applicant: Kai Wo Trading Company**

**FCC ID: M8KEBHPFCON**

### **Operational Description**

To connect fluorescent tube with ballast correctly, then input lines are connected into 120VAC power supply system. T1 is common mode filter and T2 is different mode filter. They work together with C1 to execute EMI function.

D1-D4 execute rectification function. U1, Q1 and T3 execute PFC modulation function.

DA1 triggers Q2 to ON status and lead T4 to work. T4 drives Q2 and Q3 working in switch ON/OFF status. Then C14,T5,C16 and C15,T6,C17 will resonate and drive fluorescent tube working.

When fluorescent tube is in abnormal status, Q5 and Q4 will be ON status and Q2 and Q3 will be OFF, then ballast will enter into protection status.