

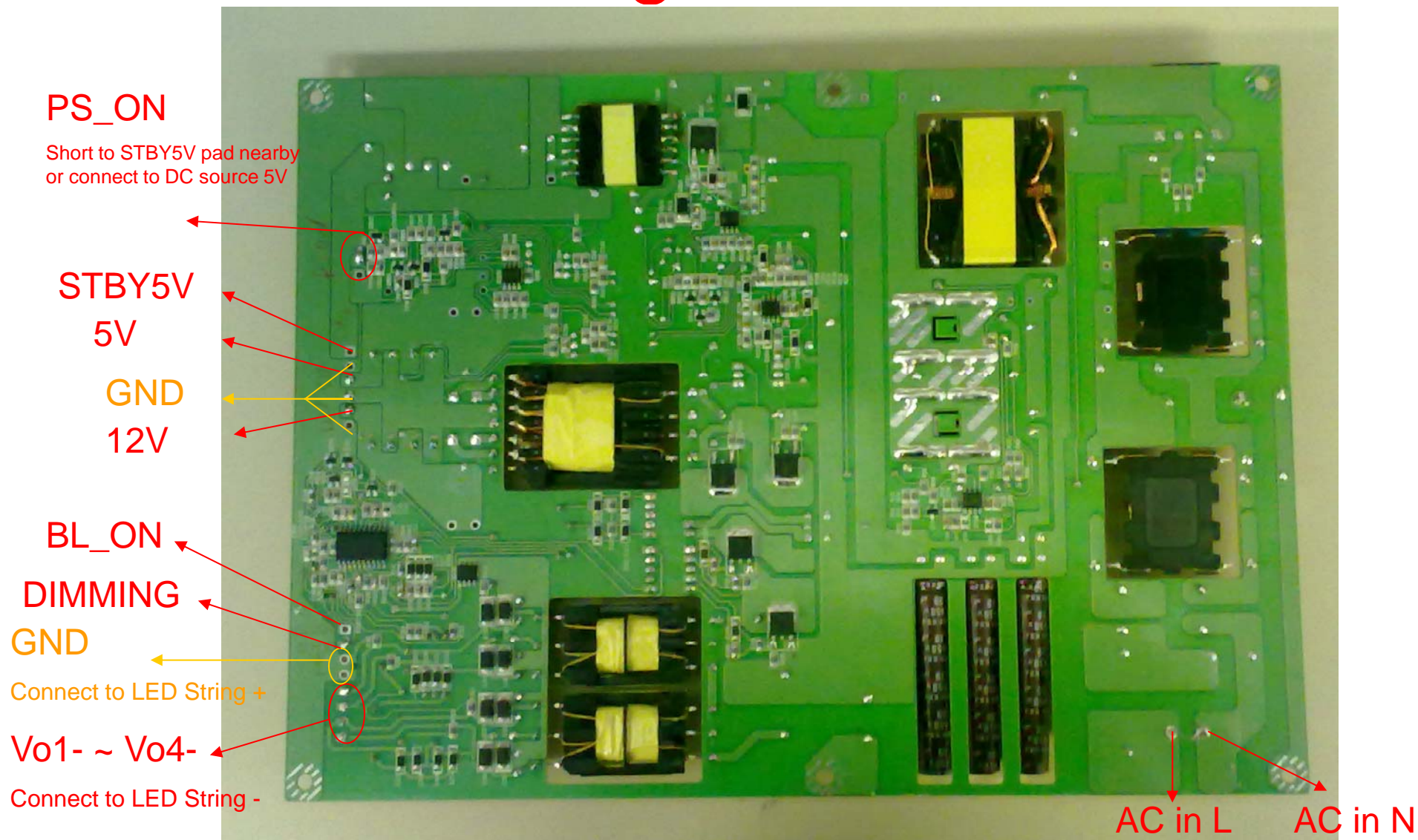
# **UCC25710 LED TV Power Reference Design User Guide**

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# Operation Range

- Input Range: 90Vac~264Vac 47Hz~63Hz
- Dimming Range: 0V ~ 5V  
100Hz ~1KHz 1%~100%
- Output Range :STBY-5V 0A~2A  
5V 0.1A~3A  
12.7 V 0.1A~3A  
LED 4 String 120mA 62V~70V

# Load and Signal Connection



# Turn On Procedure

- Connect LED string to LED output
- Connect dimming signal to dimming pad
- Connect power code to Input pad
- For STBY mode leave PS\_ON pad connect to nothing
- For normal mode PS\_ON pad connect to STBY5V pad nearby
- To Turn Backlight On connect BL\_ON to 5V
- Turn AC input on

# Turn off Procedure

- Keep load on output
- Turn AC input off
- Load can discharge primary buck cap
- Do not touch board before STBY 5V decrease to almost 0V

# Notice

- Heat sink is hot, do not touch before cooling down.
- Do not touch the board during operation or before buck cap is discharged.
- LED output is over 60V, do not touch.

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