

ISL97636/ISL97636A (8-Ch/6-Ch) LED Driver Evaluation Board Manual

Steps For Using The ISL97636 Evaluation Kit

1. Connect +6V to +24V between VIN and PGND.
2. Apply a +1.8V to 5V PWM signal at PWMI/EN pin for PWM dimming.
3. If 0% dimming duty cycle is applied, the light will be cut off. It depends on the dimming frequency, if it is at high frequency and wants to resume lighting. It needs few percentage of dimming duty cycle in order to allow

adequate switching pulses for the part to regulate. For example, if dimming at 10KHz, it needs the new duty cycle to be 7% in order to resume lighting from 0%.

Note: Some boards may have no LEDs as customers may either put their preferred LEDs or connect VOUT (LED anode) and IINx (LED cathode) in their systems. Some boards are also shipped without Q1.

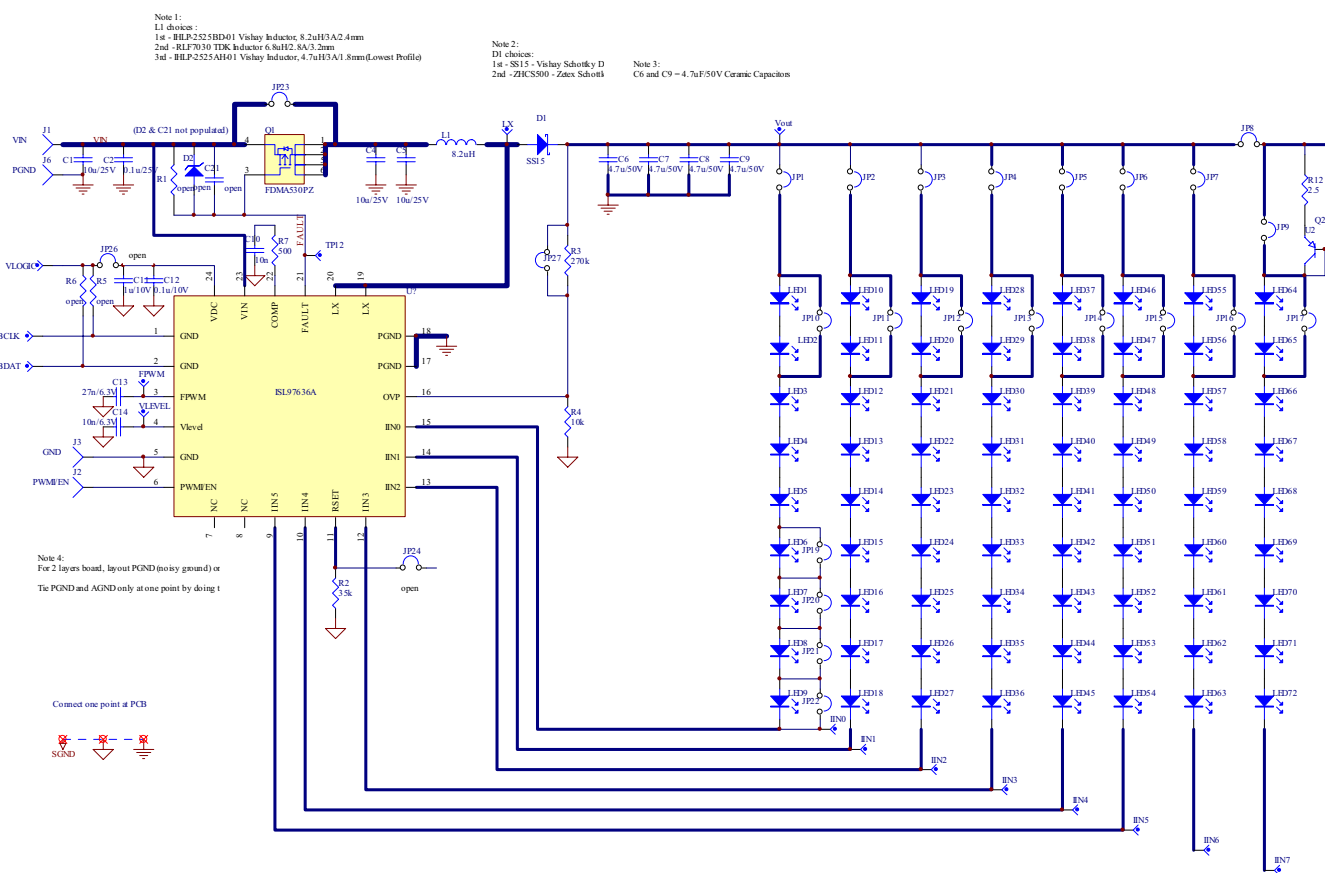


FIGURE 1. ISL97636EVALZ EVALUATION BOARD SCHEMATIC

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