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EVALLEDICL8201F1

Description:

This board is an universal 7.5 W 180 mA average current controlled single stage, cascode structure for floating bulk topology GU10 LED lamp reference design using LED driver IC [ICL8201](#) and CoolMOS™ [IPU50R3K0CE](#). It has high efficiency, high PFC and various modes of protections with very low external component count. ICL8201 concept supports simple buck inductor without auxiliary winding.

Summary of Features:

- Advanced cascode topology enables lower system cost and higher system efficiency
- Supports wide range AC or DC input
- Single inductors without auxiliary winding

Benefits:

- Minimum external components supporting small form factors and easy design-in
- High efficiency
- High Power Factor
- Full set of protection modes including intelligent Over-Temperature-Protection

Target Applications:

GU10 LED Lamp

