



# Renco Electronics, Inc.

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## Switchmode Transformer Design Form

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Addr. 1: \_\_\_\_\_

Addr. 2: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Application: \_\_\_\_\_

Customer P/N: \_\_\_\_\_

Prototype Date: \_\_\_\_\_ Production Date: \_\_\_\_\_

EAU: \_\_\_\_\_ Project Name: \_\_\_\_\_

Target Price: \_\_\_\_\_ Submitted By: \_\_\_\_\_ Date: \_\_\_\_\_

**Power Supply Topology:**  Flyback  Forward  Push-Pull  Full-Bridge  Half-Bridge  
**Operating Mode:**  Continuous  Discontinuous  Transition  Other \_\_\_\_\_

**Mounting Options:**  Thru-Hole  Surface Mount **Input Voltage:** MIN \_\_\_\_\_ MAX \_\_\_\_\_

**Operating Frequency (kHz):** \_\_\_\_\_ **Inductance (L):** \_\_\_\_\_ (mH,uH) **IC Controller Vendor & P/N:** \_\_\_\_\_

**Peak Primary Current (Amps):** \_\_\_\_\_ **Maximum Duty Cycle:** \_\_\_\_\_ **Turns Ratio (Pri:Bias:Sec):** \_\_\_\_\_

**Bias Voltage & Current:** \_\_\_\_\_ (VDC, IRMS) **Isolation Requirements:** \_\_\_\_\_

**Secondary Voltage & Current:** \_\_\_\_\_ (VDC, IRMS) **Secondary Voltage & Current:** \_\_\_\_\_ (VDC, IRMS)

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### Mechanical Information

**Length (Max):** \_\_\_\_\_ **Width (Max):** \_\_\_\_\_ **Height (Max):** \_\_\_\_\_

### Other Important Information

**MOSFET/Transistor Switch Vendor & P/N:** \_\_\_\_\_ **Ambient Temperature (°C):** \_\_\_\_\_

**Agency Requirements:**  UL  CSA  VDE  IEC  Other \_\_\_\_\_

**Special Requirements:** \_\_\_\_\_

**Are there any other magnetics used in this design?**

Power Xfmr  Current Sense  Common Mode  Inductors

### Notes