



Renco Electronics, Inc.

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Inductor 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
 Buck Boost Buck Boost Other: _____

Shielding: Shielded Unshielded **IC Controller Vendor & P/N:** _____

Preferred Mounting Style: Surface Mount Leaded Axial Radial Vertical Horizontal

Regulated DC Output Voltage (V): _____ **Peak Inductor Voltage (V):** _____

Operating Frequency (kHz): _____ **Inductance (L):** _____ (uH, mH, H) **Waveform:** _____

Peak Current (Amps): _____ **RMS Current (Amps):** _____ **Peak-to-Peak Ripple Current:** _____

Ambient Temperature (°C): _____ **Max Operating Temperature (°C):** _____

Mechanical Information

Length (Max): _____ **Width (Max):** _____ **Height (Max):** _____

Optional Information

DC Resistance (Max): _____ (Ohms) **Q Factor (Min):** _____ **SRF (Min):** _____

Are there any other magnetics used in this design?

Switchmode Xfmr Current Sense Power Xfmr Common Mode

Notes

