

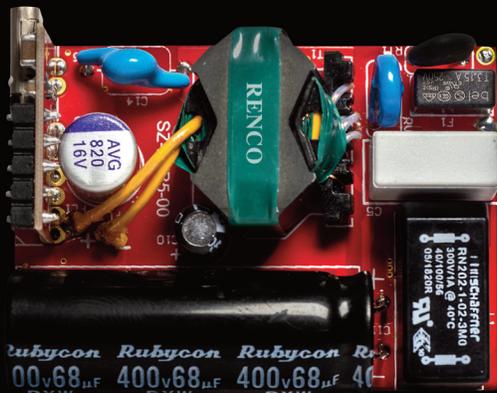


# 30W USB-PD Evaluation Board Using SZ1101

## World's First Fully Integrated Active Clamp Flyback Controller

### A PD-Max™ Product

All the benefits of ACF controller with the ease-of-design of a simple flyback controller

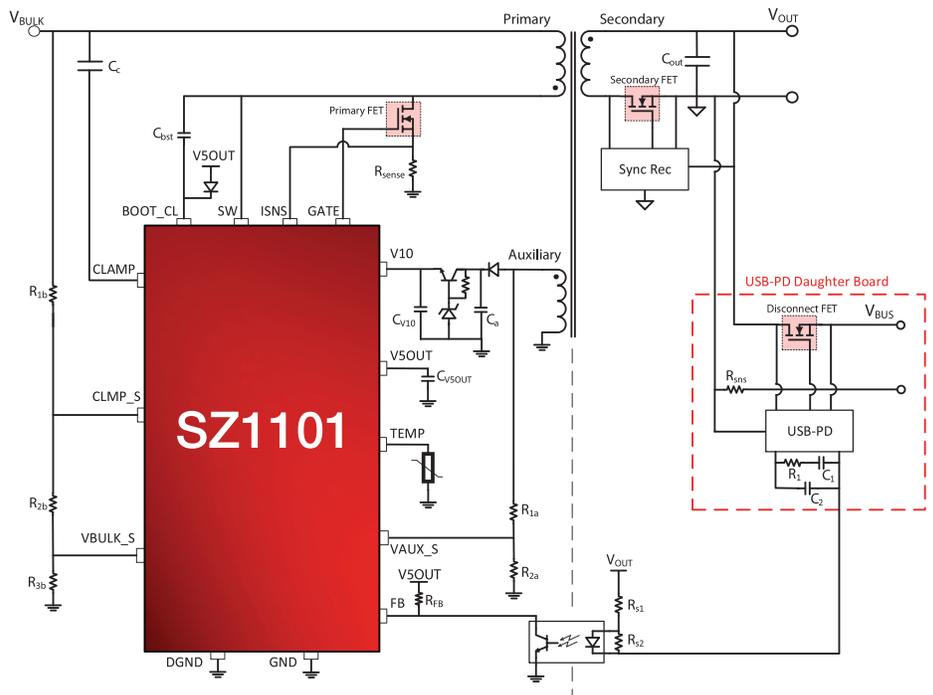


## Key Specs & Schematics

- Input: 90 – 265 VAC
- Output: 3.3V, 5V, 9V, 11V
- Output Current: 3A Max
- Output Power: 30W Max
- Output Port: USB-PD 3.0 or PPS
- Efficiency: > 93% Full Power Efficiency



Transformer Provided by  
Renco Electronics  
[rencousa.com](http://rencousa.com)



Highest Integration ACF Controller



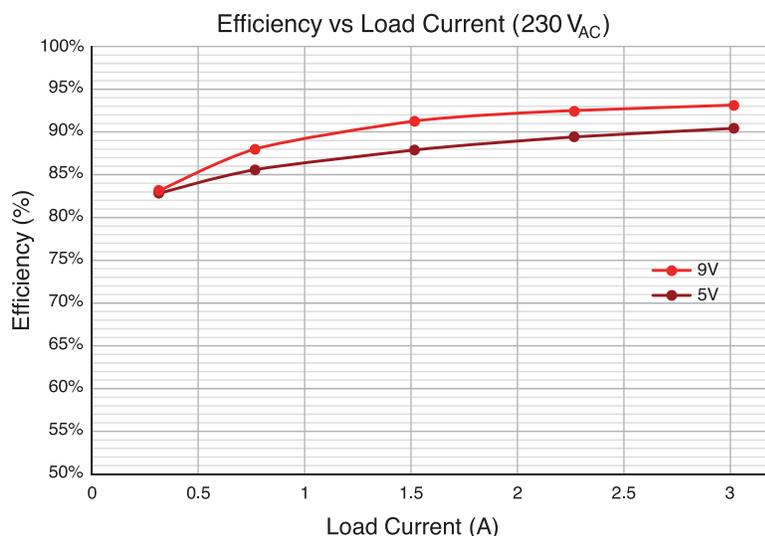
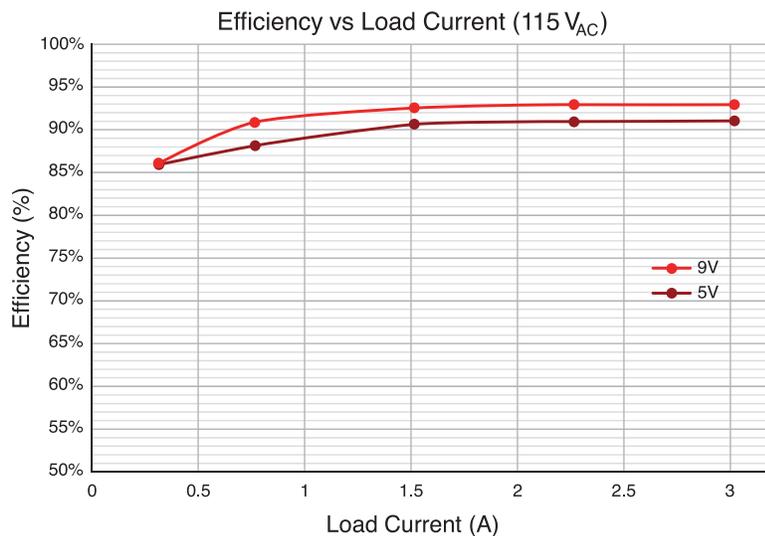
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## Efficiency



## SZ1101

### Flyback PWM Controller with Integrated Active Clamp Circuit

- Integrated Ultra High Voltage active clamp FET, active clamp driver and start-up LDO
- Advanced adaptive digital controller
- Tight switching frequency regulation for improved input EMI filter utilization
- Up to 140kHz switching frequency
- Cycle-by-cycle adaptive digital control (OptiMode™)
- Up to 30W output power
- 16-pin SOIC package

