



# STEVAL-ISA009V1

VIPer53-E single output reference design board  
with 90 to 264 V<sub>AC</sub> input and 24 W output

Data Brief

## Features

- Switch-mode general-purpose power supply
- Current mode control with adjustable limitation
- 75% efficiency
- Output short-circuit and overload protection
- Thermal shutdown protection
- Meets EN55022 class B EMI specification
- Blue Angel compliant

## Description

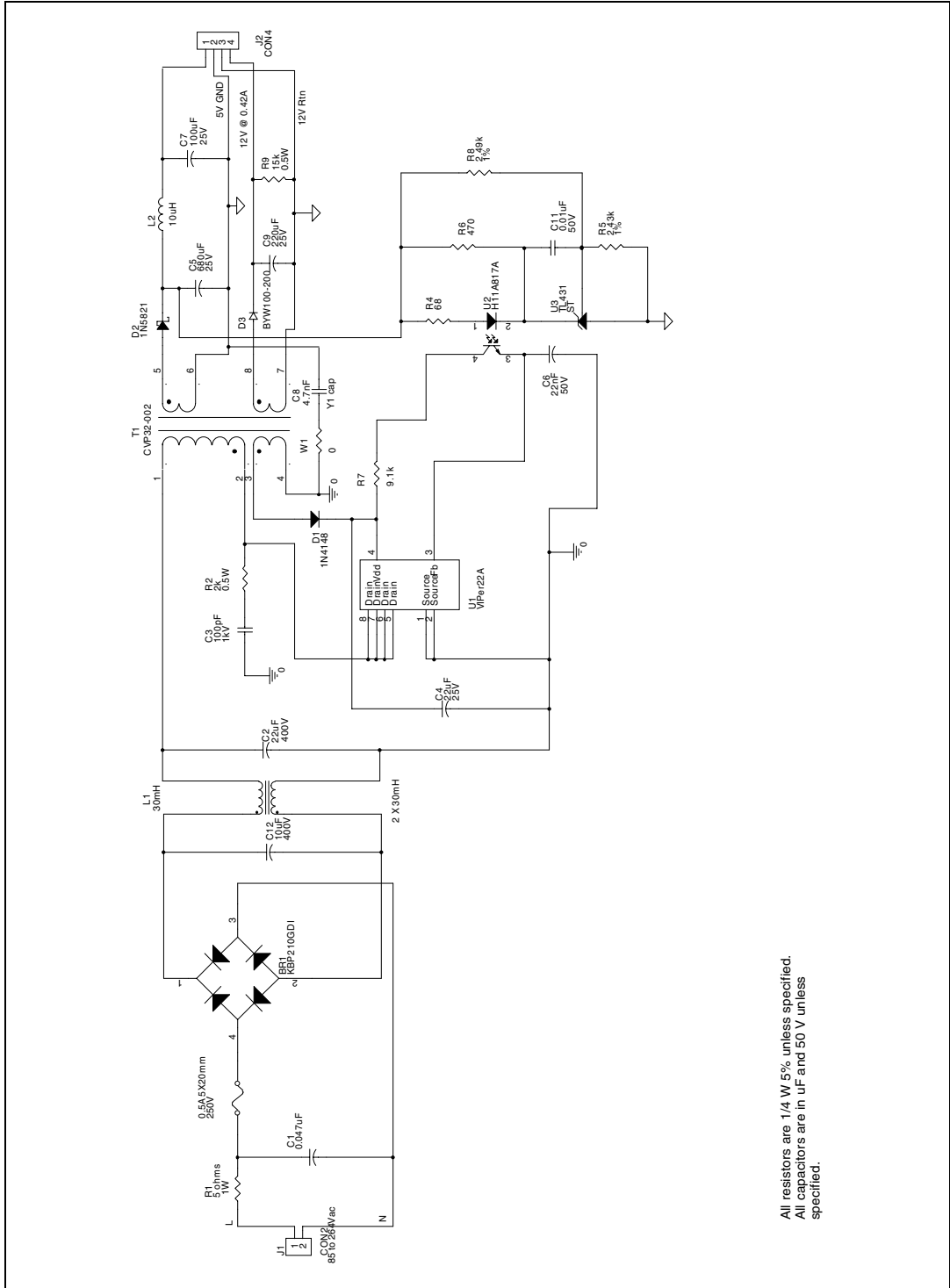
This reference design board is an offline wide-range power supply that incorporates the VIPer53-E, and is set up for secondary regulation by driving the PWM controller through an optocoupler. The switching frequency is set at 100 kHz and the total output power is 24 W.



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# 1 Board schematic

Figure 1. Schematic



All resistors are 1/4 W, 5% unless specified.  
All capacitors are in  $\mu\text{F}$  and 50 V unless specified.



## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
28-Nov-2007	1	Initial release

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