



STEVAL-ISA037V1

Single-phase, 20 A evaluation board for the L6728 step-down PWM controller with Power Good

Data Brief

Features

- Input voltage range: 5 V to 12 VDC
- Output voltage (V_{OUT}): 1.25 V
- Nominal output current (I_{OUT}): 20 A
- Switching frequency: 300 kHz

Description

The STEVAL-ISA037V1 evaluation board is a step-down DC-DC converter based on the L6728, a single-phase step-down controller with integrated high-current drivers. The L6728 device, packaged in the compact VFQFPN 10, provides complete control logic and protection for simple implementation of general DC-DC converters. This four-layer PCB evaluation board shows the operation of the device in a general-purpose application.

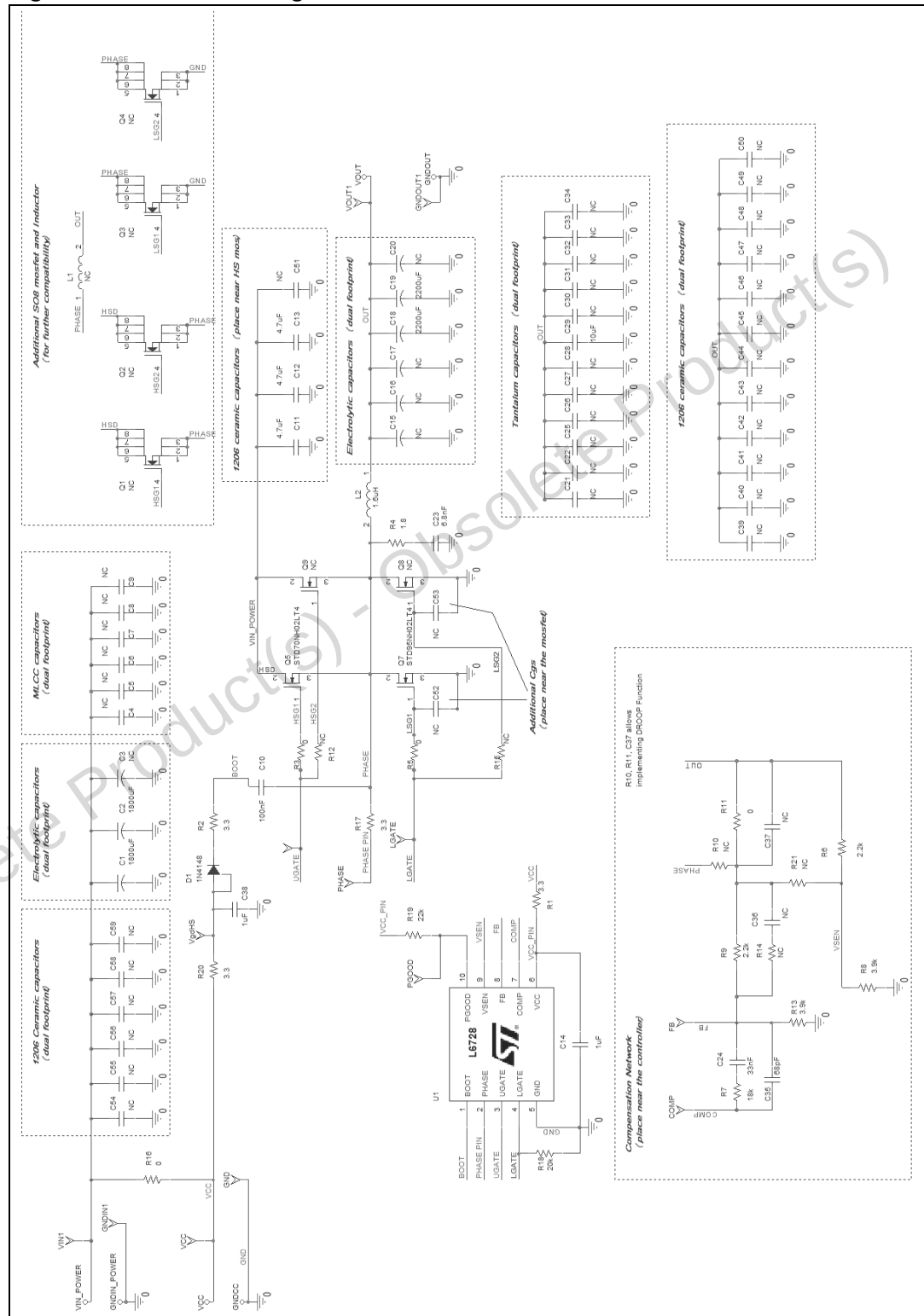
The input voltage can range from 5 V to 12 V and the output voltage is fixed at 1.25 V. The application can deliver an output current of up to 30 A. The switching frequency is 300 kHz.



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1 Evaluation board schematic

Figure 1. Schematic diagram



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
05-May-2008	1	Initial release.

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