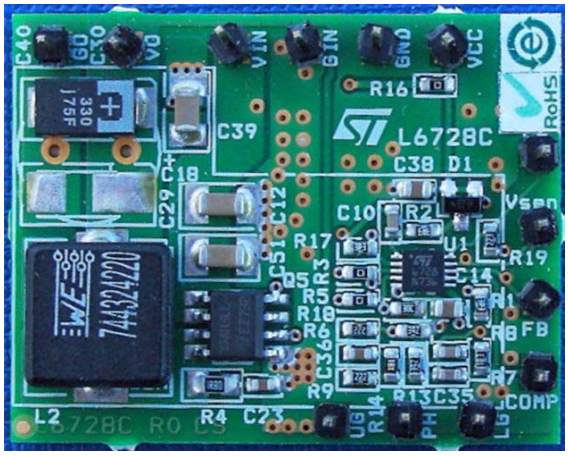
STEVAL-ISA038V1

Single phase 5 A step-down based on PWM controller evaluation board based on the Power Good L6728

Data Brief

Features

- Input voltage range : 5 V to 12 Vdc
- Output voltage Vout: 1.25 V
- Output current Iout : 5 A
- Switching frequency : 300 KHz



STEVAL-ISA038V1

Description

This evaluation board is based on L6728, a single-phase step-down controller with integrated high-current drivers that provides complete control logic and protection to realize in a simple way general DC-DC converters by using a compact VFQFPN-10 package.

The board realizes in a two-layer PCB a step-down DC-DC converter and shows the operation of the device in a general-purpose low-current application.

The input voltage can range from 5 V to 12 V buses and the output voltage is fixed at 1.25 V.

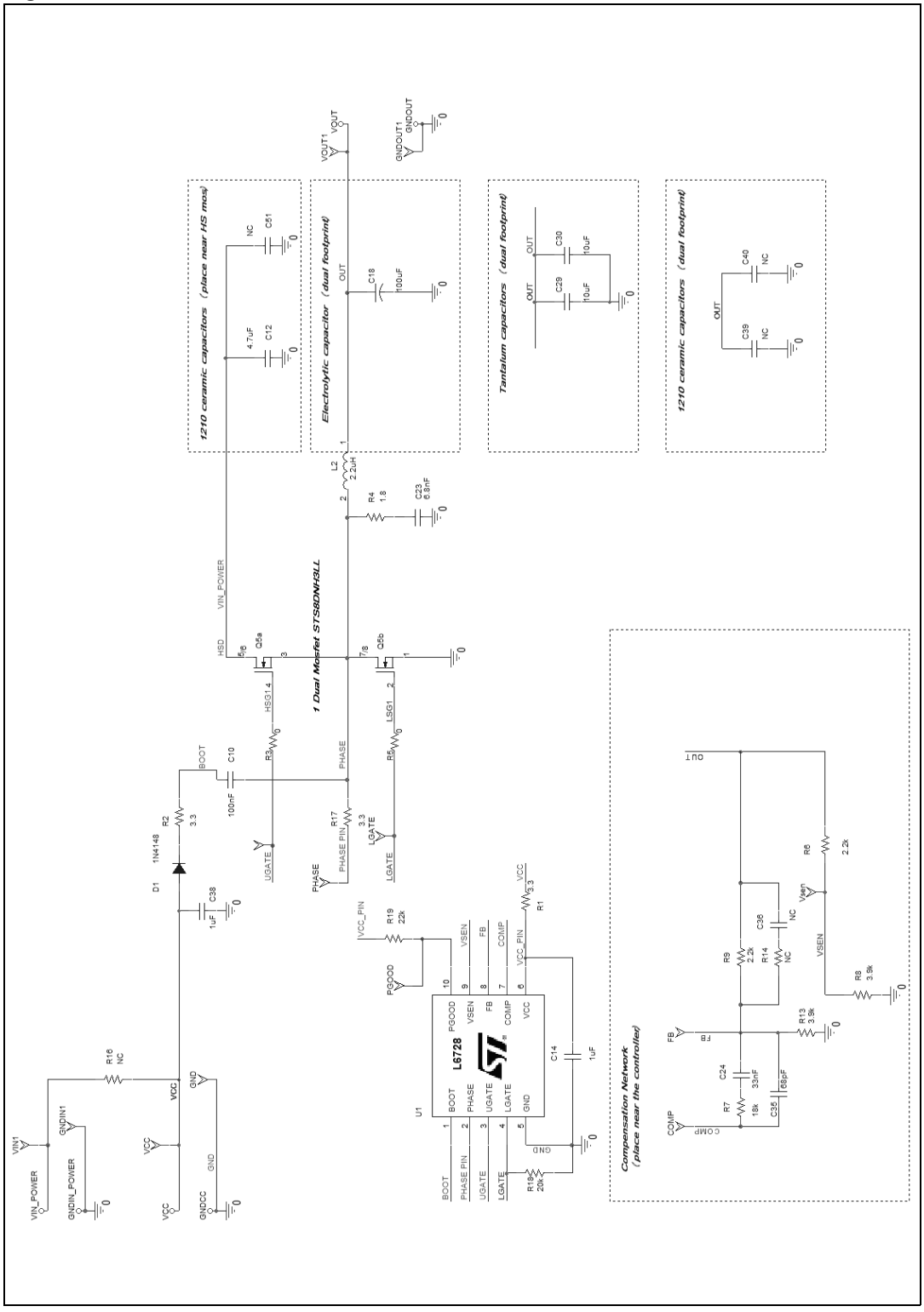
The application can deliver an output current in excess of 5 A.

The switching frequency is 300 KHz.

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1 Circuit schematic

Figure 1. Schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
10-Mar-2008	1	Initial release.

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