

STEVAL-IFP003V1

High side driver - 4 channels based on VN340

Data Brief

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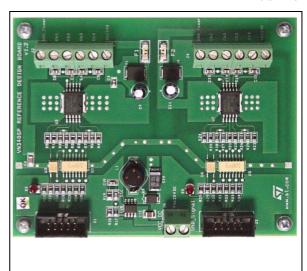
Features

- Complies with IEC 61000-4-4 (4 kV), IEC 61000-4-5 (2 kV) and IEC 61000-4-6 (10 V)
- 8 channels @ 0.5 A per channel
- DC/DC converter
- Excellent thermal behavior
- Power supply up to 35 V
- Very low standby current

Description

The purpose of this evaluation board is to demonstrate the features of the VN340 high-side driver. The application offers robustness and complies with EMC industrial standards. It implements short circuit/overload protection and thermal management as well, achieving best-inclass MTBF values. The reference design is suitable for use in programmable logic controllers (PLCs). The digital outputs are compliant with IEC standards.

For further information contact your local STMicroelectronics sales office.



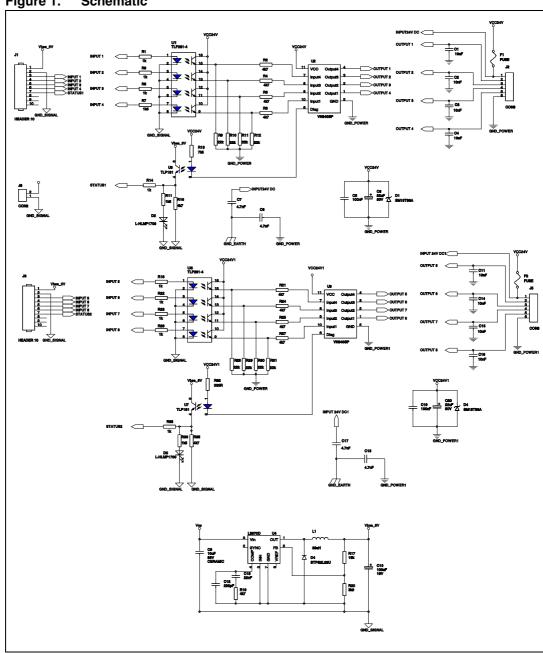
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October 2007 Rev 1 1/4

STEVAL-IFP003V1 **Block diagram**

Block diagram 1

Figure 1. **Schematic**



577 2/4

STEVAL-IFP003V1 Revision history

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
22-Oct-2007	1	Initial release

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577