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STEVAL-IFP003V1

High side driver - 4 channels based on VN340

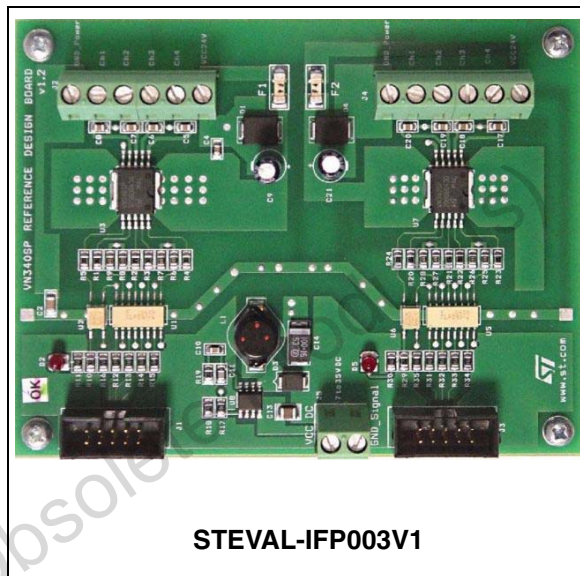
Data Brief

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-in-class MTBF values. The reference design is suitable for use in programmable logic controllers (PLCs). The digital outputs are compliant with IEC standards.



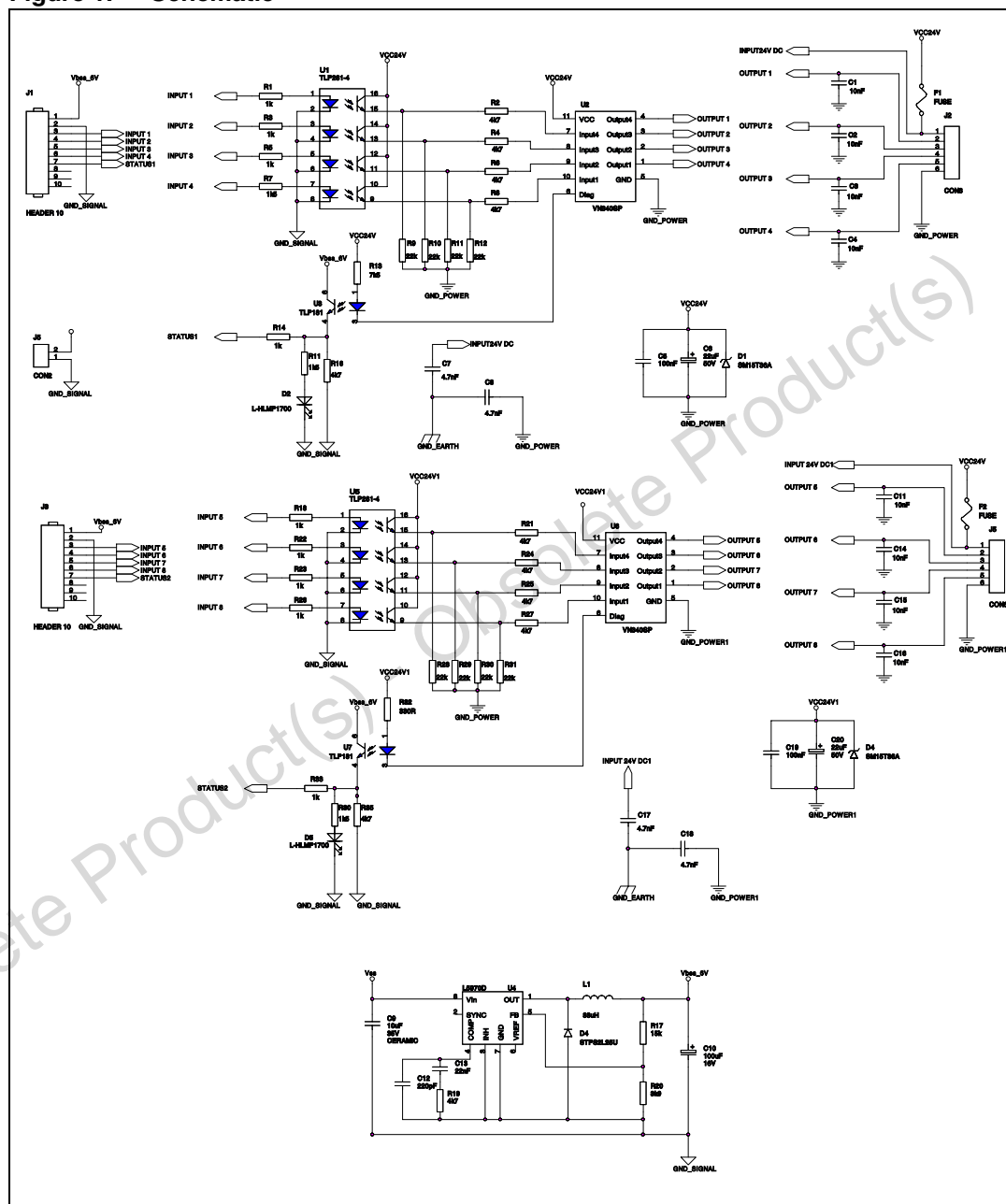
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Block diagram

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1 Block diagram

Figure 1. Schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
22-Oct-2007	1	Initial release

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