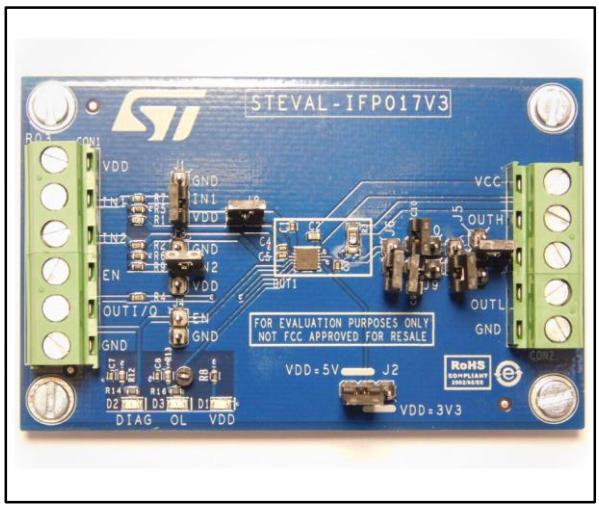
STEVAL-IFP017V3

Evaluation board for IO-Link transceiver device L6362A

Data brief



Features

- Operating voltage from 7 to 36 V
- Operating current up to 300 mA
- Configurable in push-pull, high-side or low-side
- Overcurrent protection with cutoff function
- Overtemperature protection
- Suitable to drive R, L and C loads
- Delayed cutoff for quick charging of capacitive loads
- Able to handle up to 500 mJ inductive loads
- Full reverse polarity protection on V_{CC}, GND, OUTH, OUTL and I/Q pins
- Green device status LED (ON or OFF)
- Red diagnostic LEDs for:
  - cutoff and overtemperature events
  - overload
- Supports COM1, COM2 and COM3
- Meets IEC 61000-4-4 (burst), IEC 61000-4-2 (ESD) and EN60947-5-2/IEC 61000-4-5 (surge) requirements
- RoHS compliant

Description

The STEVAL-IFP017V3 is an evaluation board designed to analyze the features of L6362A, including fast demagnetization, reverse polarity, overload, overtemperature, ground and supply open wire protections.

The highly robust design of the L6362A allows the STEVAL-IFP017V3 to meet IEC 61000-4-4 (burst), IEC 61000-4-2 (ESD) and EN60947-5-2/IEC 61000-4-5 (surge) without additional external components.

The STEVAL-IFP017V3 offers dedicated input and output screw connectors to facilitate easy and flexible connections for user requirements. The on-board red and green LEDs signal the IC status.

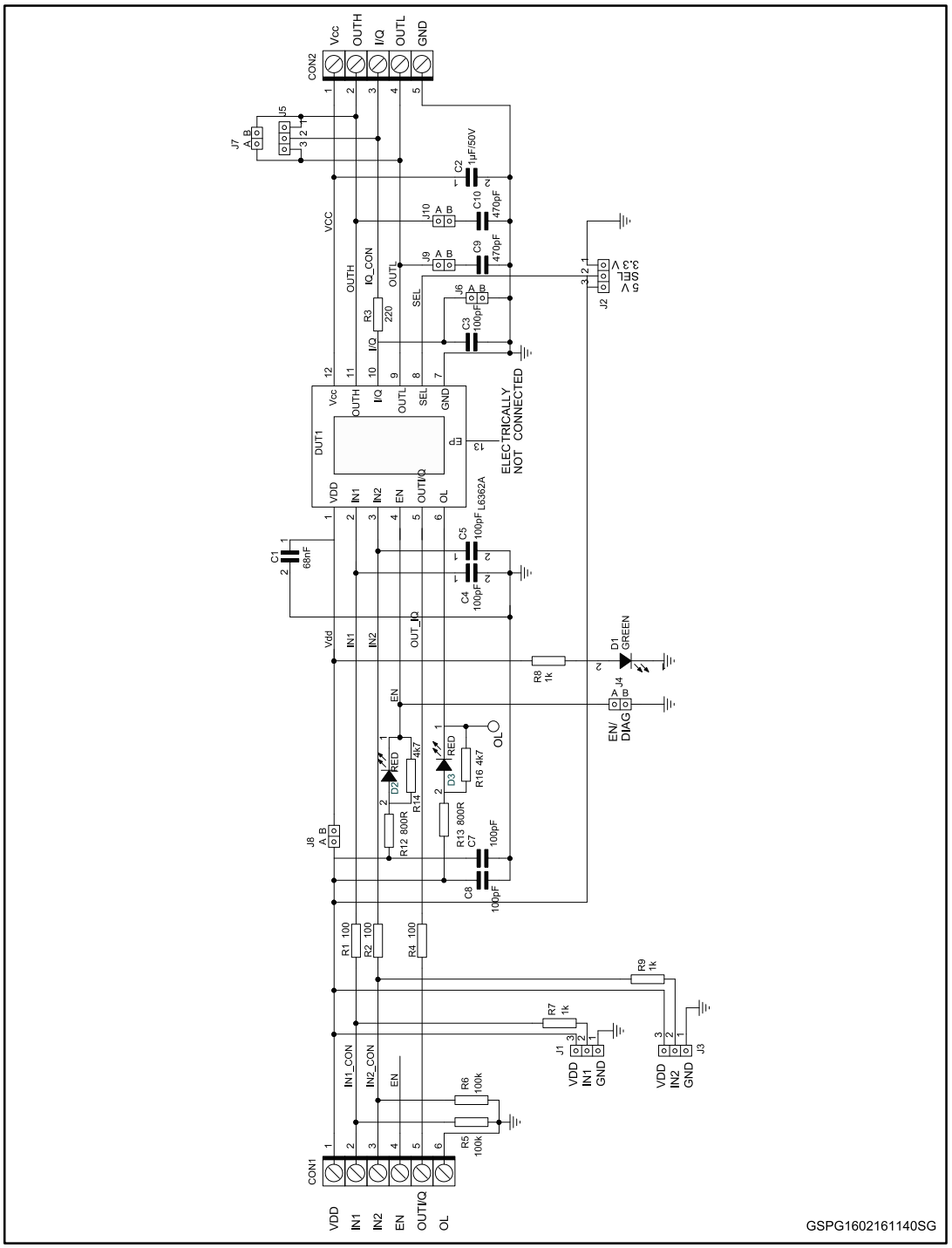
On the STEVAL-IFP017V3, the exposed pad of the L6362A is connected to an electrically floating copper area which acts as a heatsink.

For further information contact your local STMicroelectronics sales office

www.st.com

1 Schematic diagram

Figure 1: STEVAL-IFP017V3 circuit schematic



2 Revision history

Table 1: Document revision history

Date	Version	Changes
16-Feb-2016	1	Initial release.
18-Feb-2016	2	- Updated document title and features. - Minor text corrections.
06-May-2016	3	- Updated board photo on the cover page.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2016 STMicroelectronics – All rights reserved