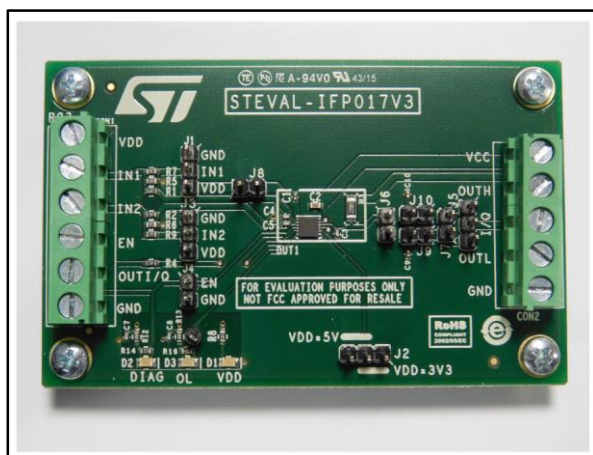


Evaluation board for IO-Link transceiver device L6362A

Data brief



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.

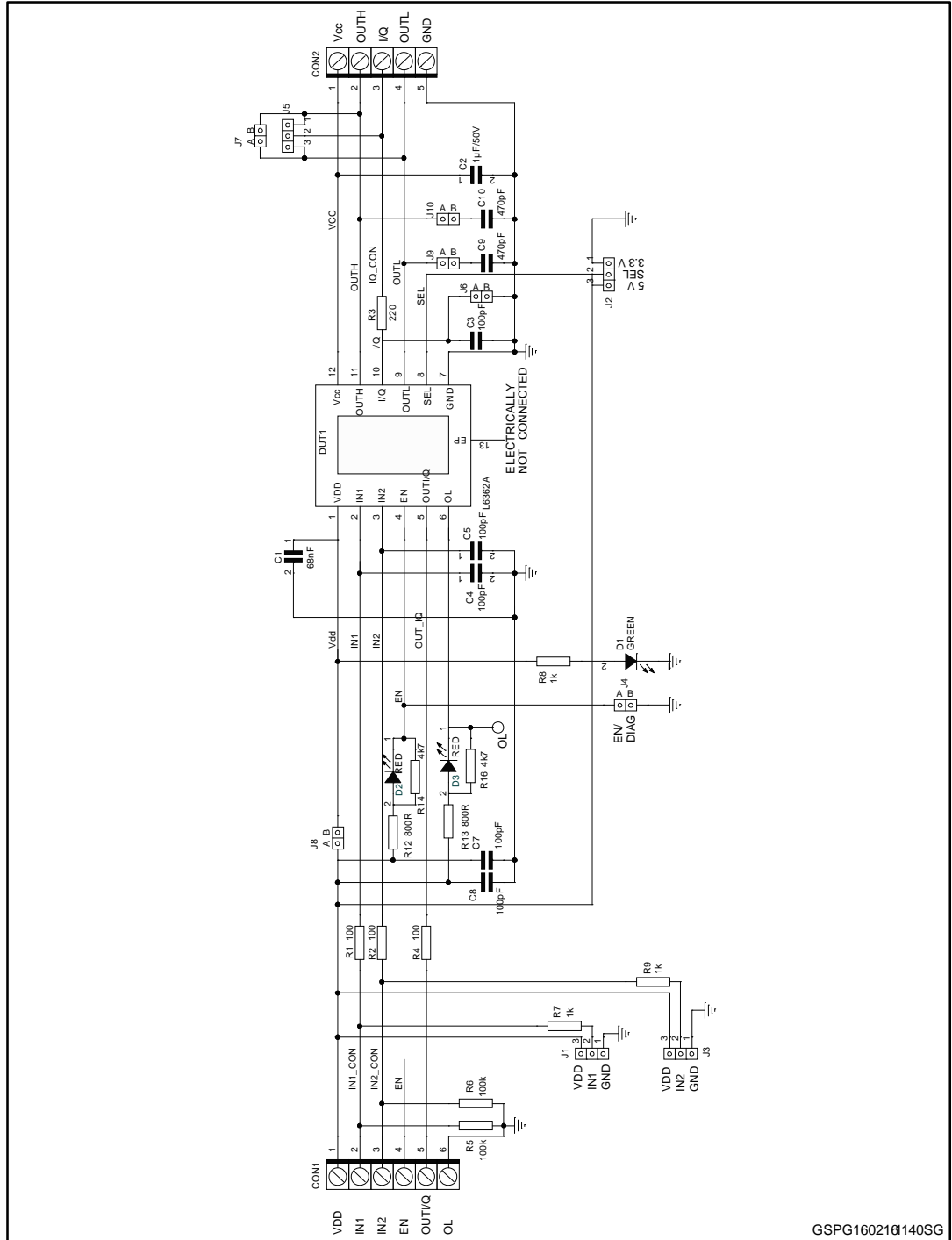
On the STEVAL-IFP017V3, the exposed pad of the L6362A is connected to an electrically floating copper area which acts as a heatsink.

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

1 Schematic diagram

Figure 1: STEVAL-IFP017V3 circuit schematic



GSPG160216140SG

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.

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