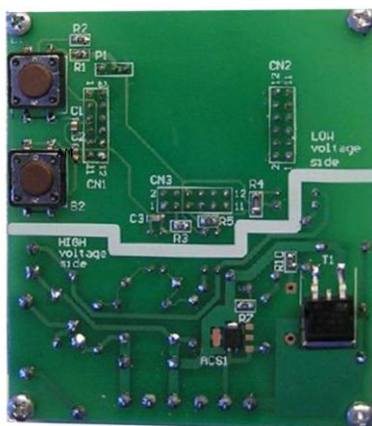


Extension board with ACS switches for STM8S Discovery Kit

Data brief



STEVAL-IHT007V1

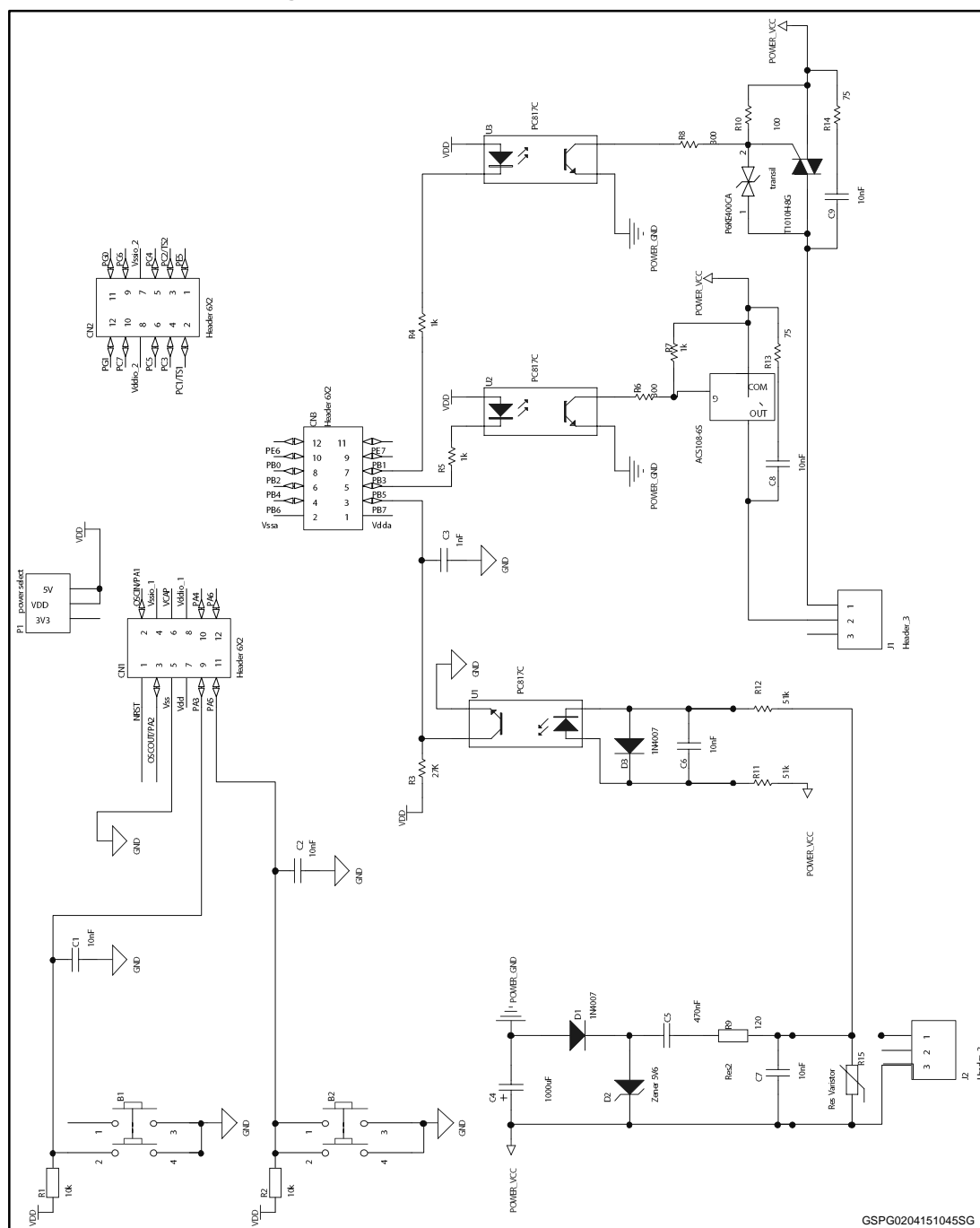
Description

The STEVAL-IHT007V1 is an extension board for the STM8S Discovery Kit that provides a simple tool for control of AC loads with ACS switches in markets accepting the STM8S Discovery Kit. The target application is small AC loads of up to 500 W, used in home appliances and home and building automation.

Features

- Direct drive of 110/220 VAC loads
- Opto-transistors to isolate the high voltage side
- Zero voltage switching to synchronize Triac / AC switch pulses with AC mains
- RoHS compliant

Figure 1: STEVAL-IHT007V1 circuit schematic



2 Revision history

Table 1: Document revision history

Date	Rev	Changes
16-Nov-2011	1	First release.
18-Nov-2011	2	Modified board name in the coverpage photo
16-Dec-2011	3	Modified Features in cover page
02-Mar-2015	4	Modified Features in cover page

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