STEVAL-IHT007V1

Extension board with ACS switches for STM8S Discovery Kit

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
1 Schematic diagram

Figure 1: STEVAL-IHT007V1 circuit schematic
2 Revision history

Table 1: Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Rev</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-Nov-2011</td>
<td>1</td>
<td>First release.</td>
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<tr>
<td>18-Nov-2011</td>
<td>2</td>
<td>Modified board name in the coverpage photo</td>
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<tr>
<td>16-Dec-2011</td>
<td>3</td>
<td>Modified Features in cover page</td>
</tr>
<tr>
<td>02-Mar-2015</td>
<td>4</td>
<td>Modified Features in cover page</td>
</tr>
</tbody>
</table>
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