STEVAL-IME013V1

Cost effective ultrasound pulser IC evaluation board based on the STHV800

Description

The STEVAL-IME013V1 evaluation board is designed around the STHV800 8-channel, 3-level high-voltage ultrasound pulser IC, a state-of-the-art device designed for ultrasound imaging applications. The STEVAL-IME013V1 offers a simple way to evaluate the ultrasound pulser IC, thanks also to a graphical user interface.

Once the output waveforms are configured, they can be displayed directly on an oscilloscope by connecting the scope probe to the relative BNCs.

Features

- 8-channel outputs: high voltage and low voltage BNC connectors
- Up to 4 memory locations to store user-designed waveforms
- USB connector to download stored waveforms
- Dedicated connectors to supply high voltage and low voltage to the STHV800 output stage
- 4 key button to quickly select the preferred program
- RoHS compliant
1 Schematic diagram

Figure 1: STEVAL-IME013V1 circuit schematic
## 2 Revision history

Table 1: Document revision history

<table>
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<tr>
<th>Date</th>
<th>Version</th>
<th>Changes</th>
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<tbody>
<tr>
<td>06-Aug-2015</td>
<td>1</td>
<td>Initial release.</td>
</tr>
<tr>
<td>14-Apr-2016</td>
<td>2</td>
<td>Updated board photo on the cover page.</td>
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