STEVAL-IME011V1

Cost effective ultrasound pulser IC evaluation board based on the STHV748

Data brief

Features
- 4-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 STHV748 output stage
- 4 key button to quickly select the preferred program
- RoHS compliant

Description
The STEVAL-IME011V1 evaluation board is designed around the STHV748 4-channel, 5-level high voltage pulser, a state-of-the-art device designed for ultrasound imaging applications. The STEVAL-IME011V1 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.
1 Schematic diagram

Figure 1: STEVAL-IME011V1 circuit schematic
## Revision history

Table 1: Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
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<tr>
<td>06-Aug-2015</td>
<td>1</td>
<td>Initial release.</td>
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