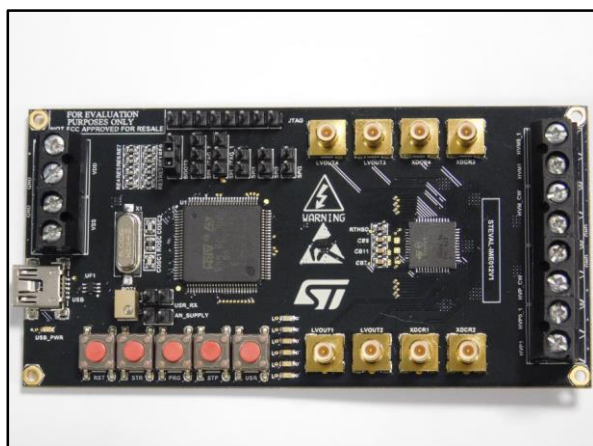


Cost effective ultrasound pulser IC evaluation board based on the STHV749

Data brief



Description

The STEVAL-IME012V1 evaluation board is designed around the STHV749 4-channel, 7-level high voltage ultrasound pulser IC, a state-of-the-art device designed for ultrasound imaging applications. The STEVAL-IME012V1 offers a simple way to evaluate the ultrasound pulser IC, thanks also to a graphical user interface (STSW-IME011, available on www.st.com).

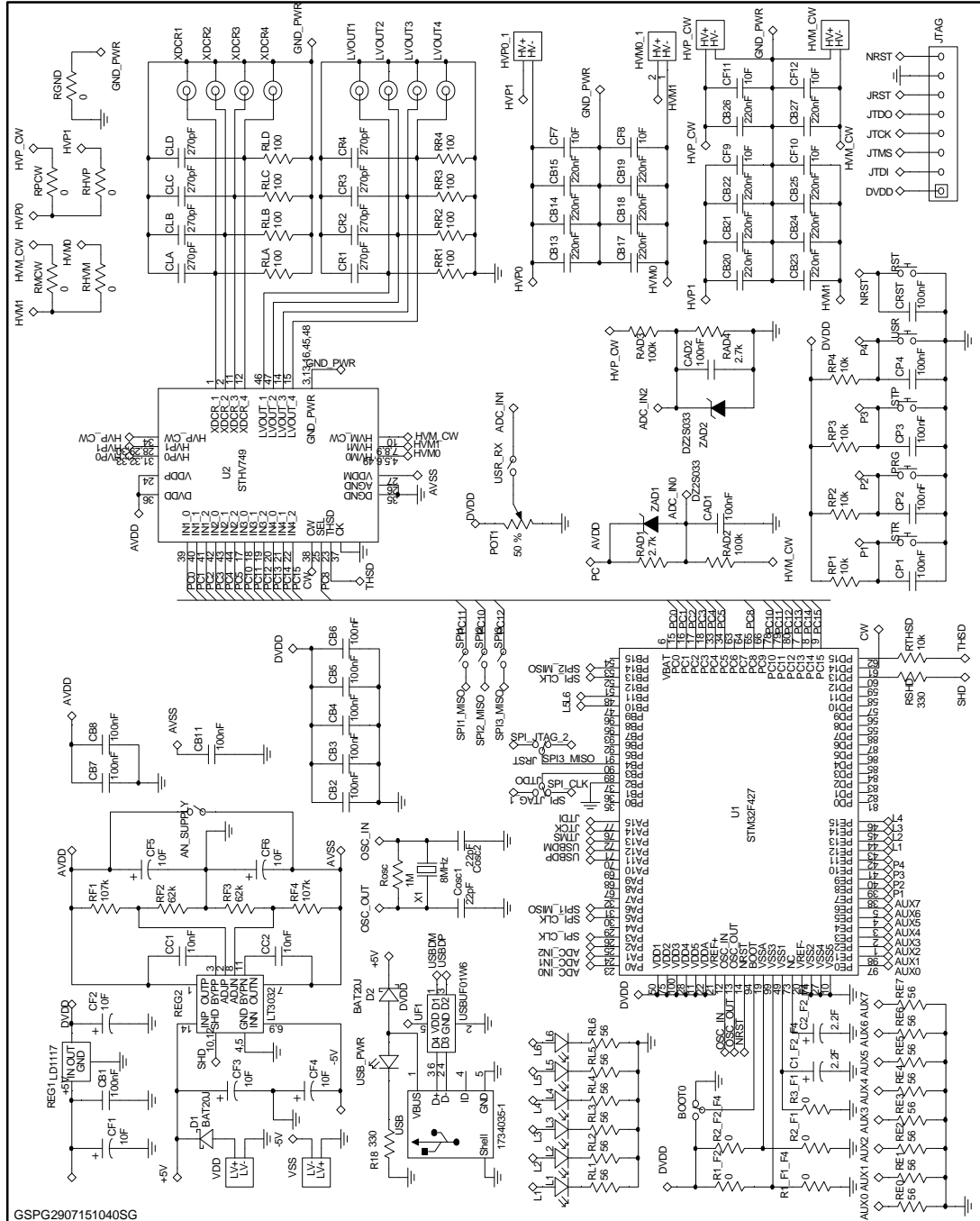
Once the output waveforms are configured, they can be displayed directly on an oscilloscope by connecting the scope probe to the relative BNCs.

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 STHV749 output stage
- 4 key button to quickly select the preferred program
- RoHS compliant

1 Schematic diagram

Figure 1: STEVAL-IME012V1 circuit schematic



2 Revision history

Table 1: Document revision history

Date	Version	Changes
06-Aug-2015	1	Initial release.
19-May-2016	2	Updated description on the cover page.

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