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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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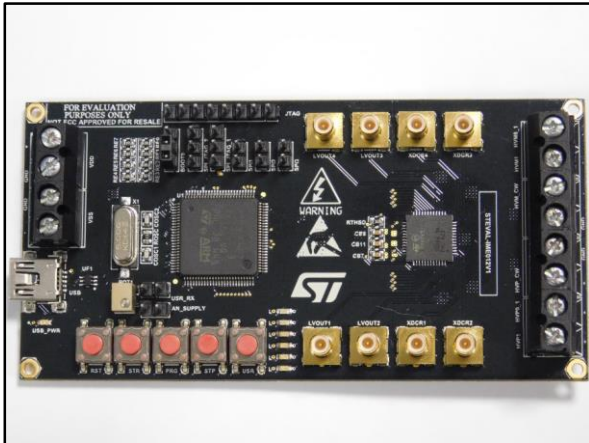
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Cost effective ultrasound pulser IC evaluation board based on the STHV749

Data brief



Description

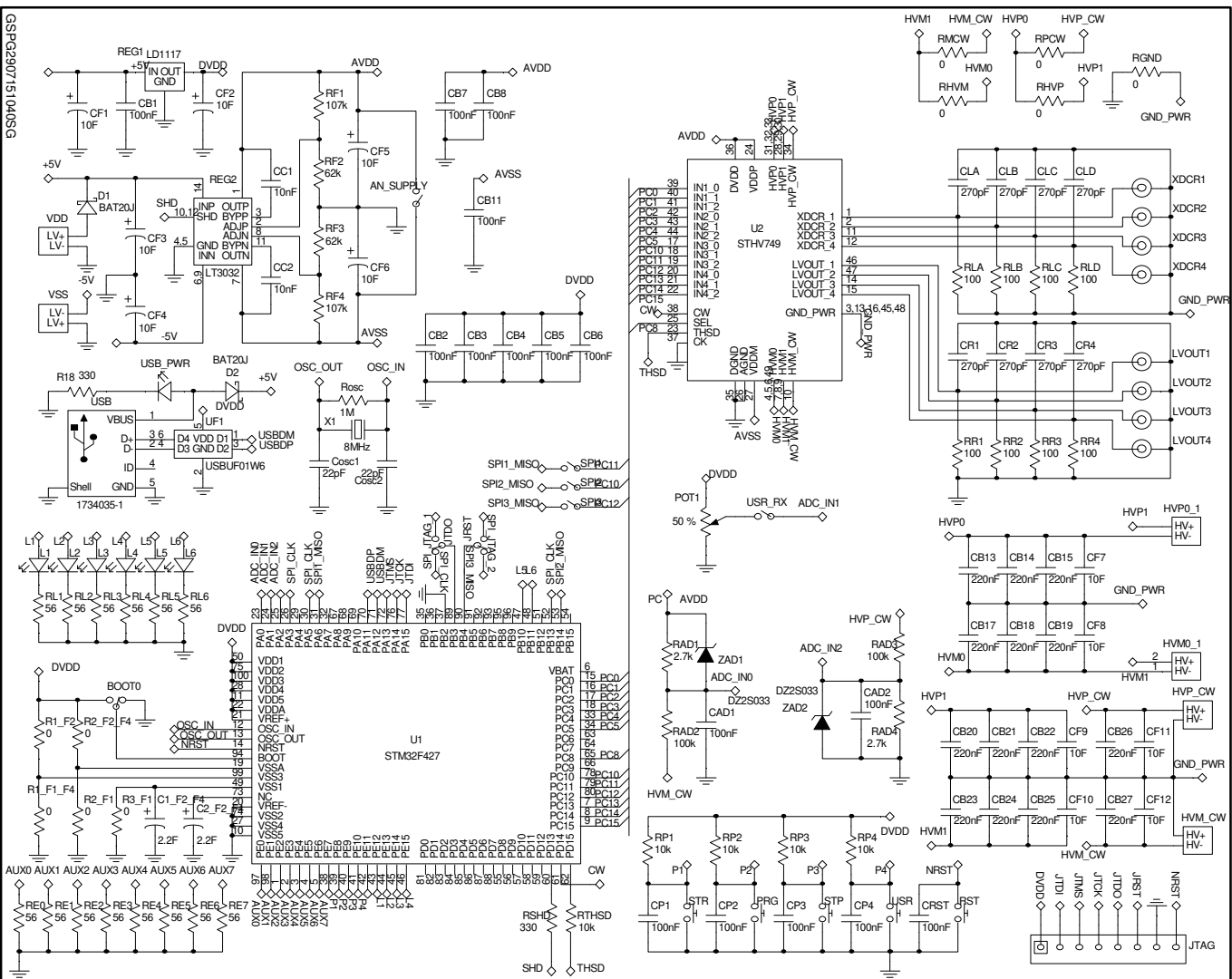
The STEVAL-IME012V1 evaluation board is designed around the STHV749 4-channel, 7-level high voltage ultrasound pulser IC, a state-of-the-art device designed for ultrasound imaging applications. The STEVAL-IME012V1 offers a simple way to evaluate the ultrasound pulser IC, thanks also to a graphical user 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



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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