



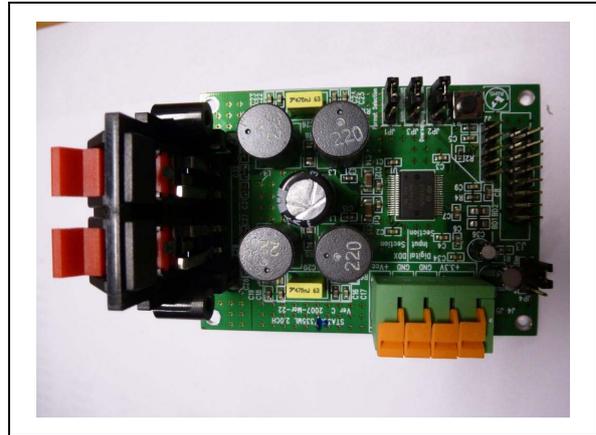
# STEVAL-CCA049V1

## STA335ML Sound Terminal<sup>®</sup> 2-channel microless high efficiency digital audio system board

Data brief

### Features

- 2 x 20 W into 8  $\Omega$  = 18 V
- 5 V to 26 V operating supply voltage range
- 30 V absolute maximum rating
- DDXR 100 dB dynamic range
- Selectable 32 kHz to 48 kHz input sample rates
- Automatic zero-detect mute
- 2-channel I<sup>2</sup>S input data interface
- 2 volume selection (0 and +24 dB)
- 2 master clock selection (256 or 364 \* fs)
- 2 digital format selection (I<sup>2</sup>S and LSB)
- RoHS compliant



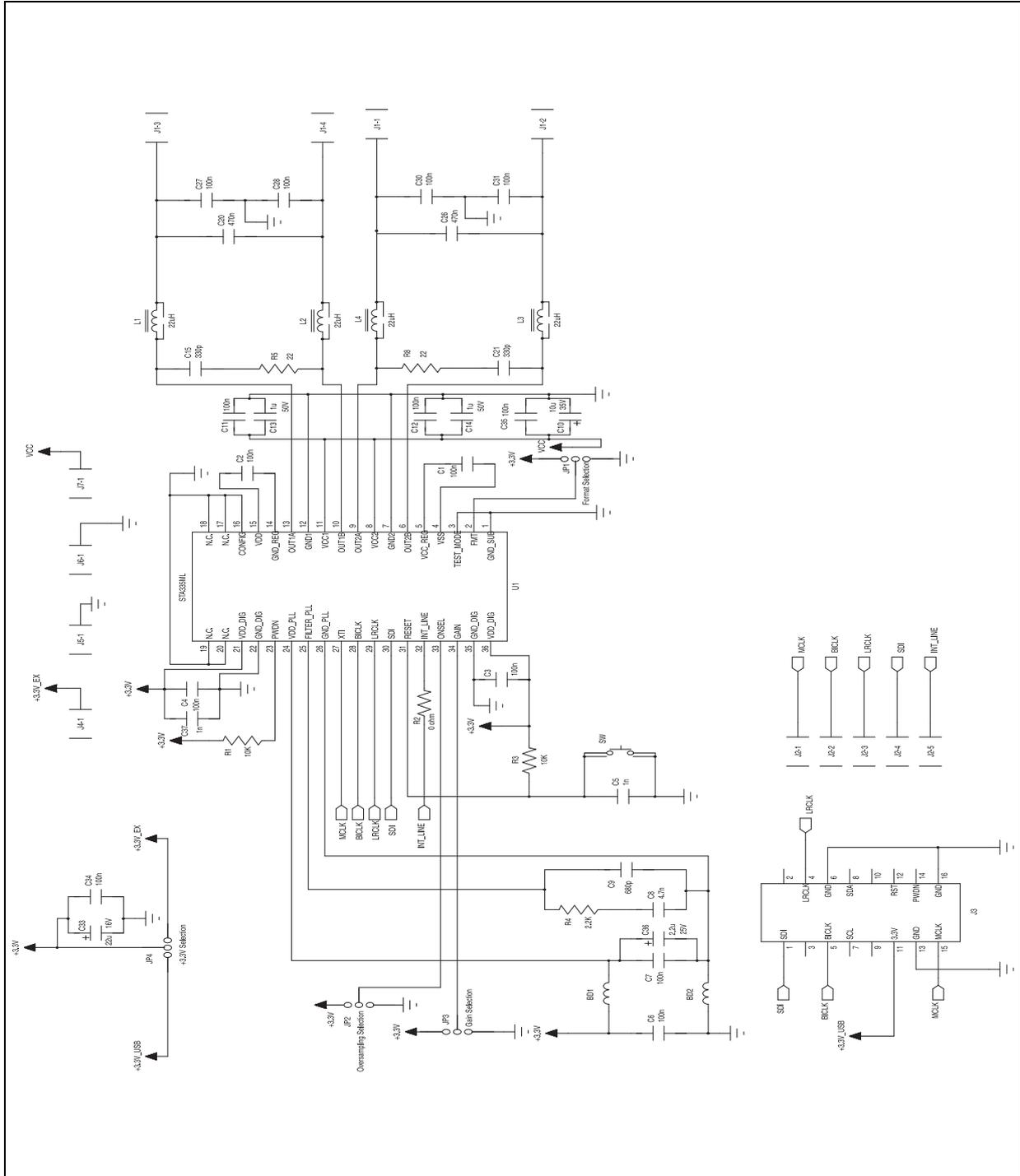
### Description

The STEVAL-CCA049V1 demonstration board is based on the STA335ML Sound Terminal<sup>®</sup> digital amplifier. It provides full digital audio streaming to the speakers and offers cost effectiveness, low power dissipation, sound enrichment and DDX<sup>®</sup> power output stage.

To evaluate the STA335ML, the STEVAL-CCA049V1 does not require a microcontroller, and it accepts the universal I<sup>2</sup>S format. However, the board may be connected to APWlink (STEVAL-CCA035V1) as I<sup>2</sup>S interface.

# 1 Schematic diagram

Figure 1. STEVAL-CCA049V1 circuit schematic



## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
08-Nov-2012	1	Initial release.

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