



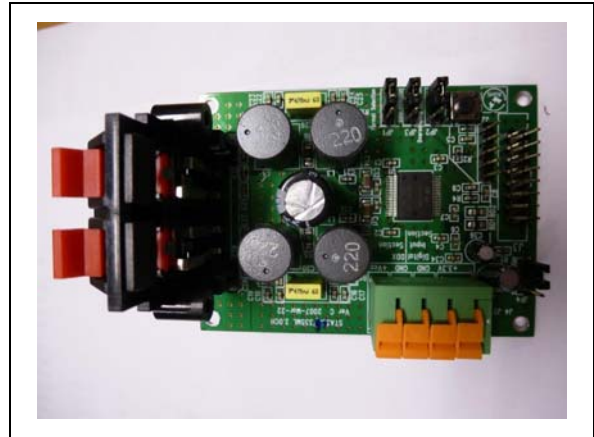
STEVAL-CCA048V1

STA333ML Sound Terminal[®] 2-channel microless high efficiency digital audio system board

Data brief

Features

- 2 x 20 W into 8 Ω = 18 V
- 4.5 V to 20 V operating supply voltage range
- 23 V absolute maximum rating
- DDX[®] 100 dB dynamic range
- Selectable 32 kHz to 48 kHz input sample rates
- Automatic zero-detect mute
- 2-channel I²S input data interface
- 2 volume selection (0 and +24 dB)
- 2 master clock selection (256 or 364 * fs)
- 2 digital format selection (I²S and LSB)
- RoHS compliant



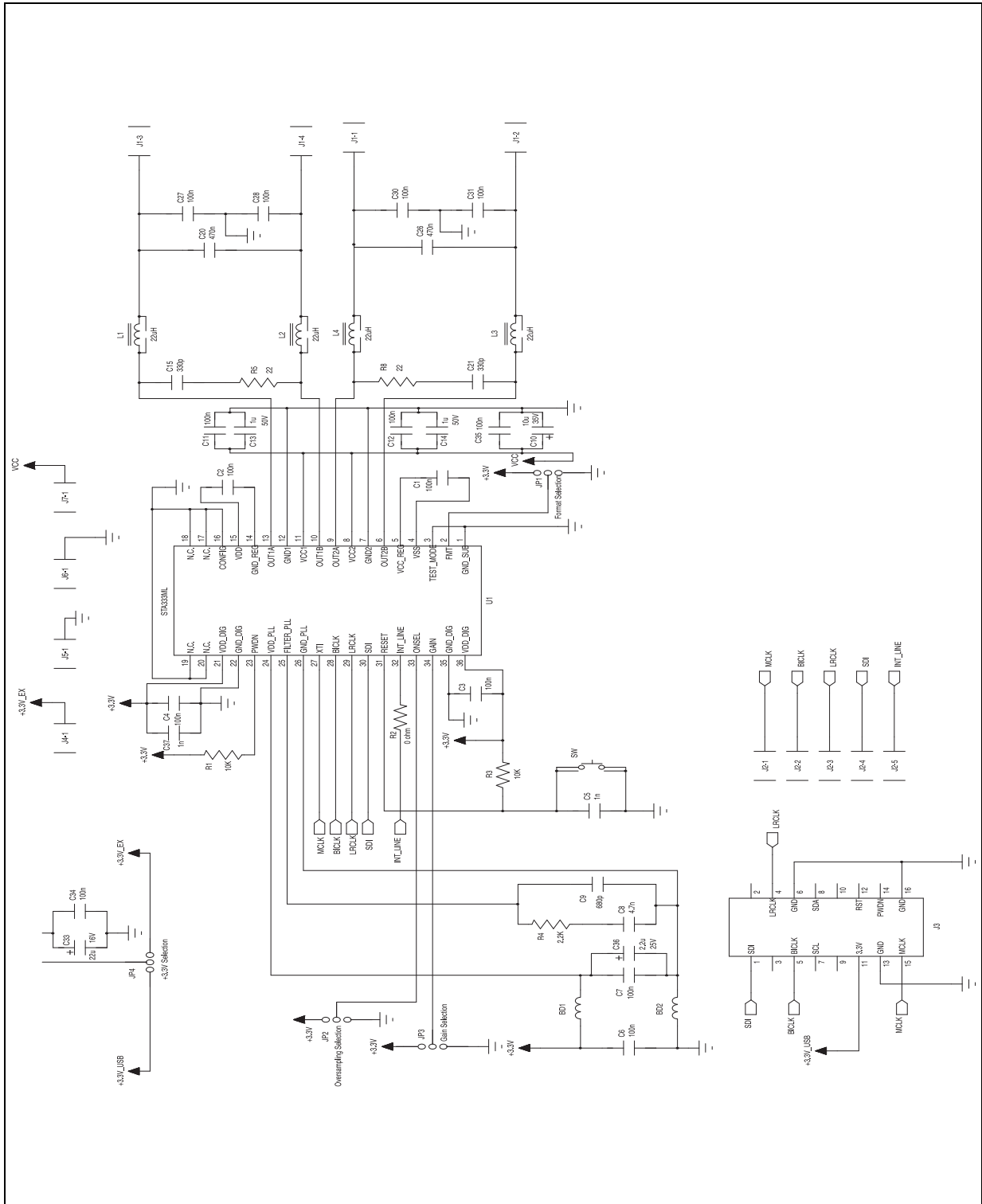
Description

The STEVAL-CCA048V1 demonstration board is based on the STA333ML Sound Terminal[®] digital amplifier. It provides full digital audio streaming to the speakers and offers cost effectiveness, low power dissipation, sound enrichment and DDX[®] power output stage.

To evaluate the STA333ML, the STEVAL-CCA048V1 does not require a microcontroller, and it accepts the universal I²S format. However, the board may be connected to APWlink (STEVAL-CCA035V1) as I²S interface.

1 Schematic diagram

Figure 1. STEVAL-CCA048V1 circuit schematic



2 Revision history

Table 1. Document revision history

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

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