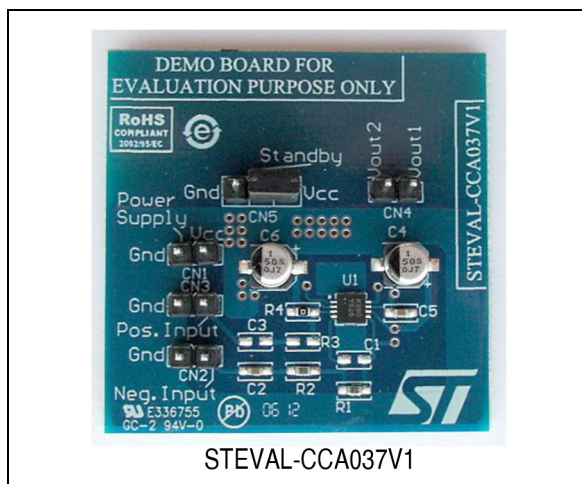


Features

- Operating from $V_{CC} = 2.2\text{ V}$ to 5.5 V
- Active low standby mode
- 1.2 W output power @ $V_{CC} = 5\text{ V}$, THD = 1%, $F = 1\text{ kHz}$, with $8\ \Omega$ load
- Ultra low power consumption in standby mode (10 nA)
- 62dB PSRR @ 217 Hz in grounded mode ($A_v = 2\text{ V/V}$)
- Near zero pop and click
- Ultra low distortion (0.1%)
- Module gain set at 2 V/V
- Thermal and short-circuit protection
- RoHS compliant



Description

The STEVAL-CCA037V1 demonstration board is designed to evaluate the TS4990IQT low power audio amplifier. The micro package DFN8 (dual flat non-leaded 8 pins) allows space saving and good thermal dissipation.

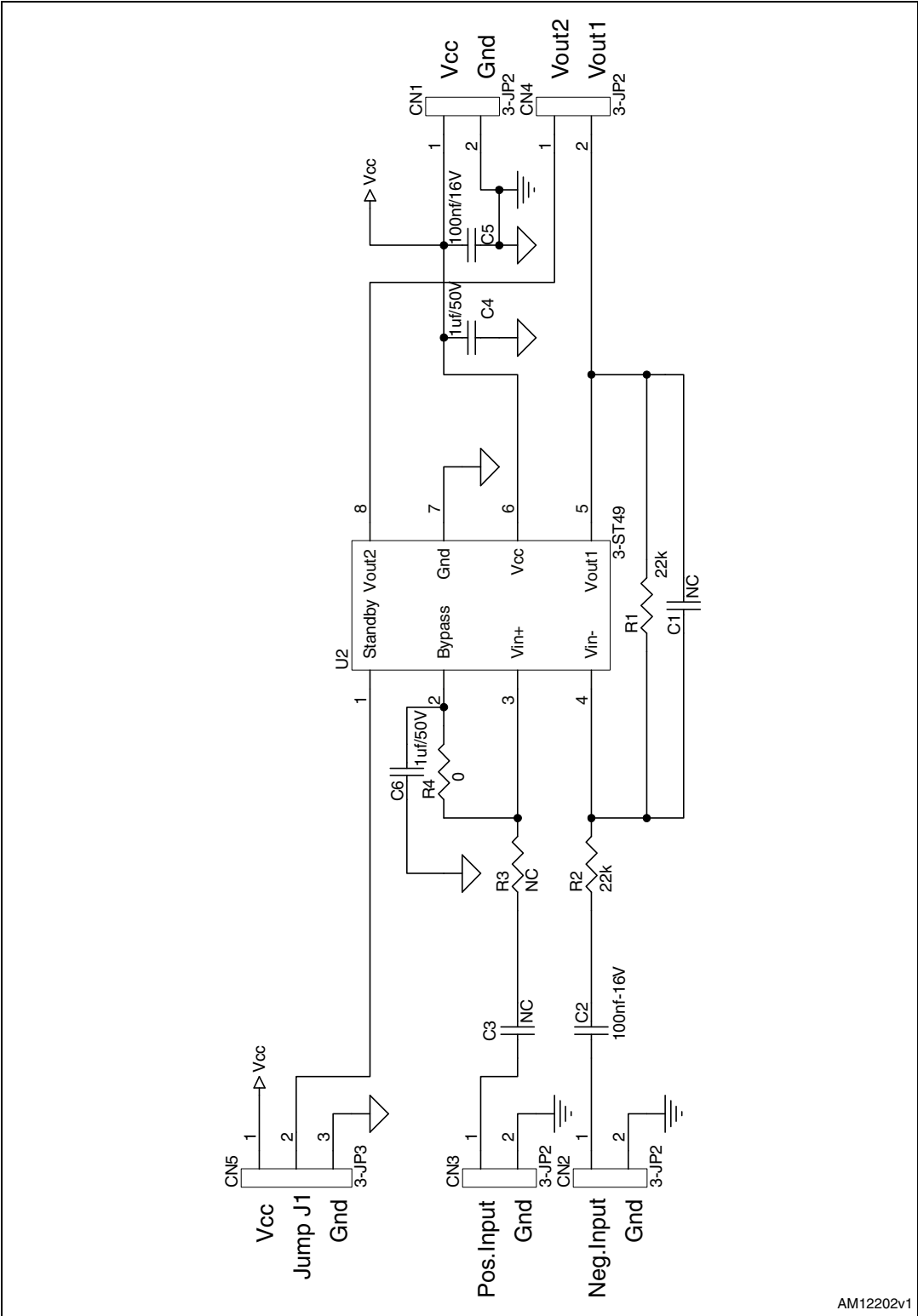
The BTL gain is set at 2 V/V and can be adapted if necessary with a modification of two (R1 or R2) resistor values.

It is possible to modify the input configuration from single ended to differential of the STEVAL-CCA037V1 demonstration board.

More information regarding component calculations is available in the TS4990 datasheet.

1 Schematic diagram

Figure 1. Schematic diagram



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
27-Apr-2012	1	Initial release.

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