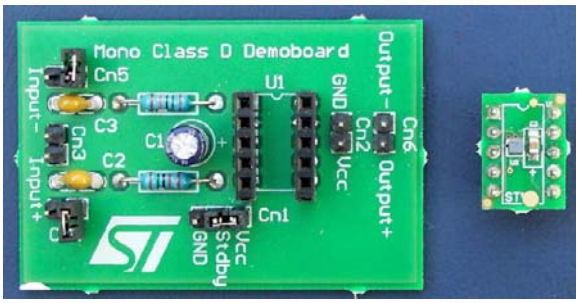
STEVAL-CCA001V1

Mono class audio amplifier based on TS4962MEIJT in flip chip

Data Brief

Features

- Operating from Vcc = 2.4 V to 5.5 V
- Ultra low power consumption in standby mode (10 nA)
- 63 dB PSRR @ 217 Hz in grounded mode (average = 2 V/V)
- Low pop and click
- Fast startup time (5 ms)
- Module gain set at 2 V/V
- Thermal and short circuit protection



STEVAL-CCA001V1

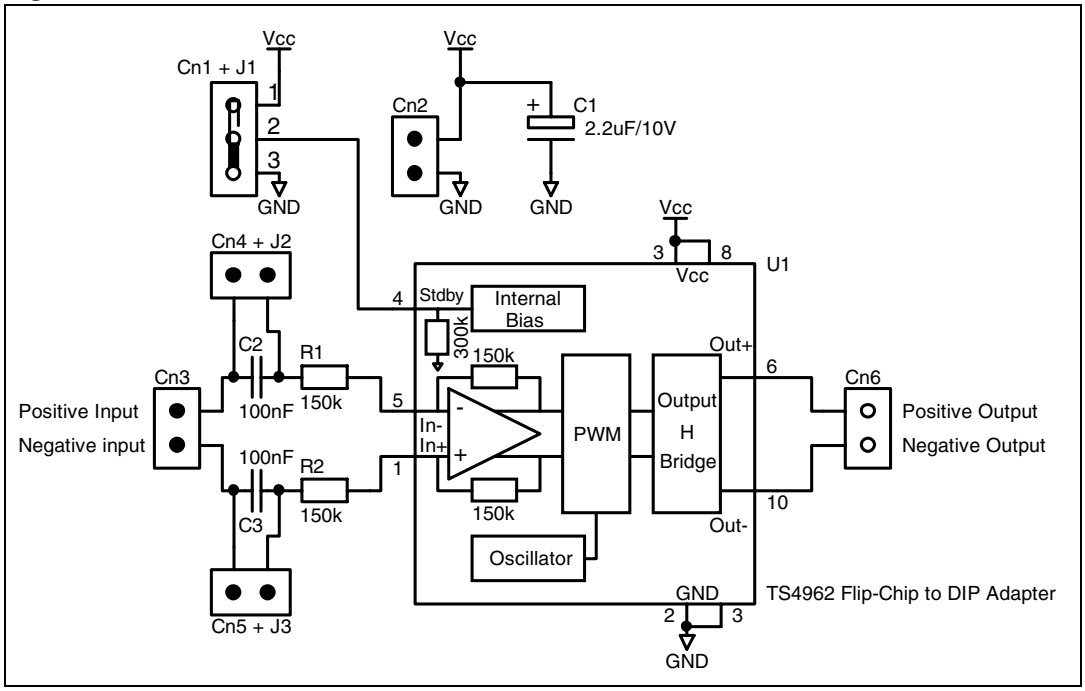
Description

This board is a general-purpose developmant platform for all applications based on the TS4962M mono class D audio amplifier. The TS4962M is a monolithic fully-differential input/ output class D power amplifier. It also includes a common-mode feedback loop that controls the output bias value to average it at VCC/2 for any DC common mode input voltage. This allows the device to always have a maximum output voltage swing, and consequently maximizes the output power. Moreover, as the load is connected differentially compared to a single-ended topology, the output is four times higher for the same power supply voltage.

For further information contact your local STMicroelectronics sales office. www.st.com

1 Board schematic

Figure 1. Scheme



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
19-Oct-2007	1	Initial release

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