ST-NXP Wireless

IMPORTANT NOTICE

Dear customer,

As from August 2nd 2008, the wireless operations of STMicroelectronics have moved to a new company, ST-NXP Wireless.

As a result, the following changes are applicable to the attached document.

- **Company name - STMicroelectronics NV** is replaced with **ST-NXP Wireless.**

- **Copyright** - the copyright notice at the bottom of the last page "© STMicroelectronics 200x - All rights reserved", shall now read: "© ST-NXP Wireless 200x - All rights reserved".

- **Web site** - http://www.st.com is replaced with http://www.stnwireless.com

- **Contact information** - the list of sales offices is found at http://www.stnwireless.com under Contacts.

If you have any questions related to the document, please contact our nearest sales office. Thank you for your cooperation and understanding.

ST-NXP Wireless

STw5095/E01

STw5095 evaluation board

Features

■ Digital interfaces on a standard female header permit the device to be driven with a remote programmable device, MCU or any other application.

■ Analog inputs and outputs are provided on headers or audio 3.5 mm jacks for direct connection to headphones and microphones.

■ Split and multiple power supplies (analog, digital, digital I/O) permit each section to be powered individually by separate external power supplies.

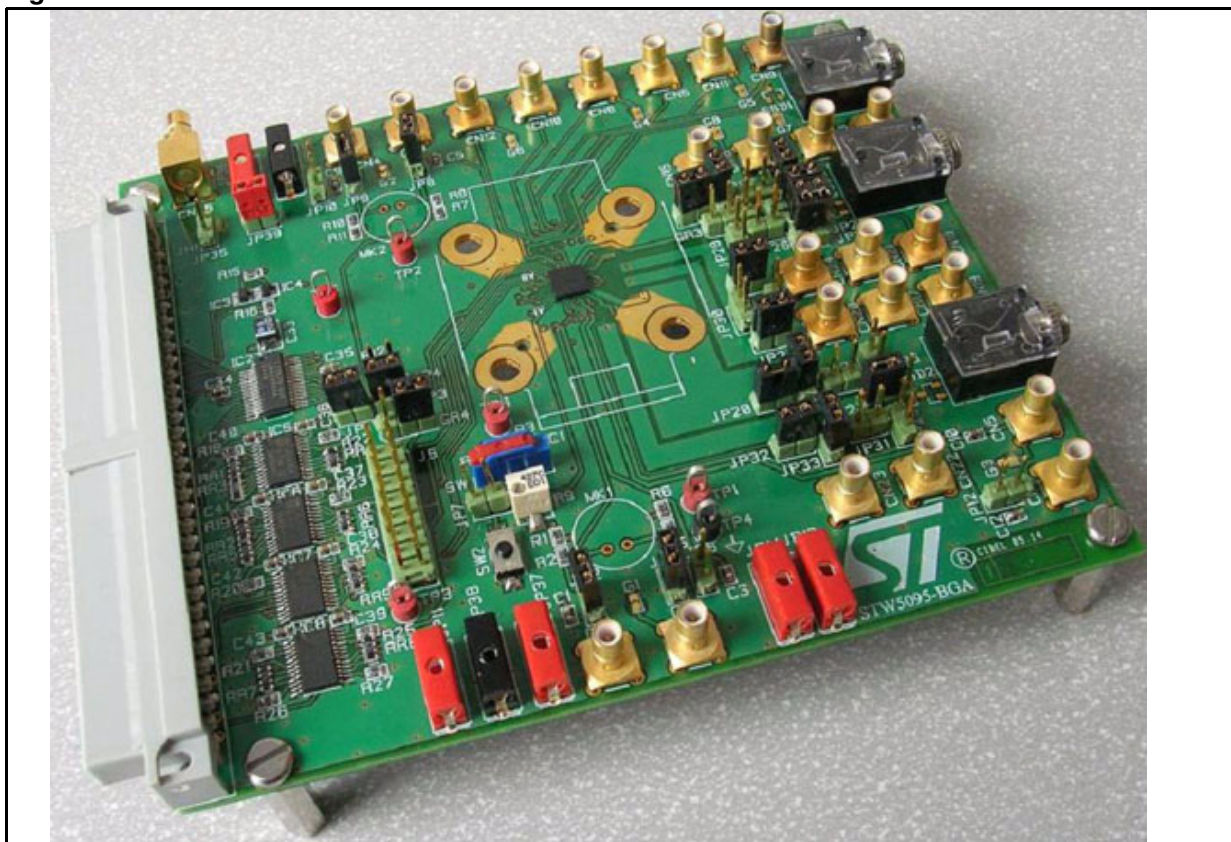■ Can be driven with a generic digital board supplied by STMicroelectronics.

Applications

■ Digital cellular telephones with MP3 player, stereo recorder, fm radio stereo listening and recording functions, live music recording.

■ Portable digital players and recorders

Description

The STW5095/E01 evaluation board implements the STw5095 codec.

This evaluation board connects easily with user devices, inputs and outputs.

Figure 1.   STw5095 evaluation board
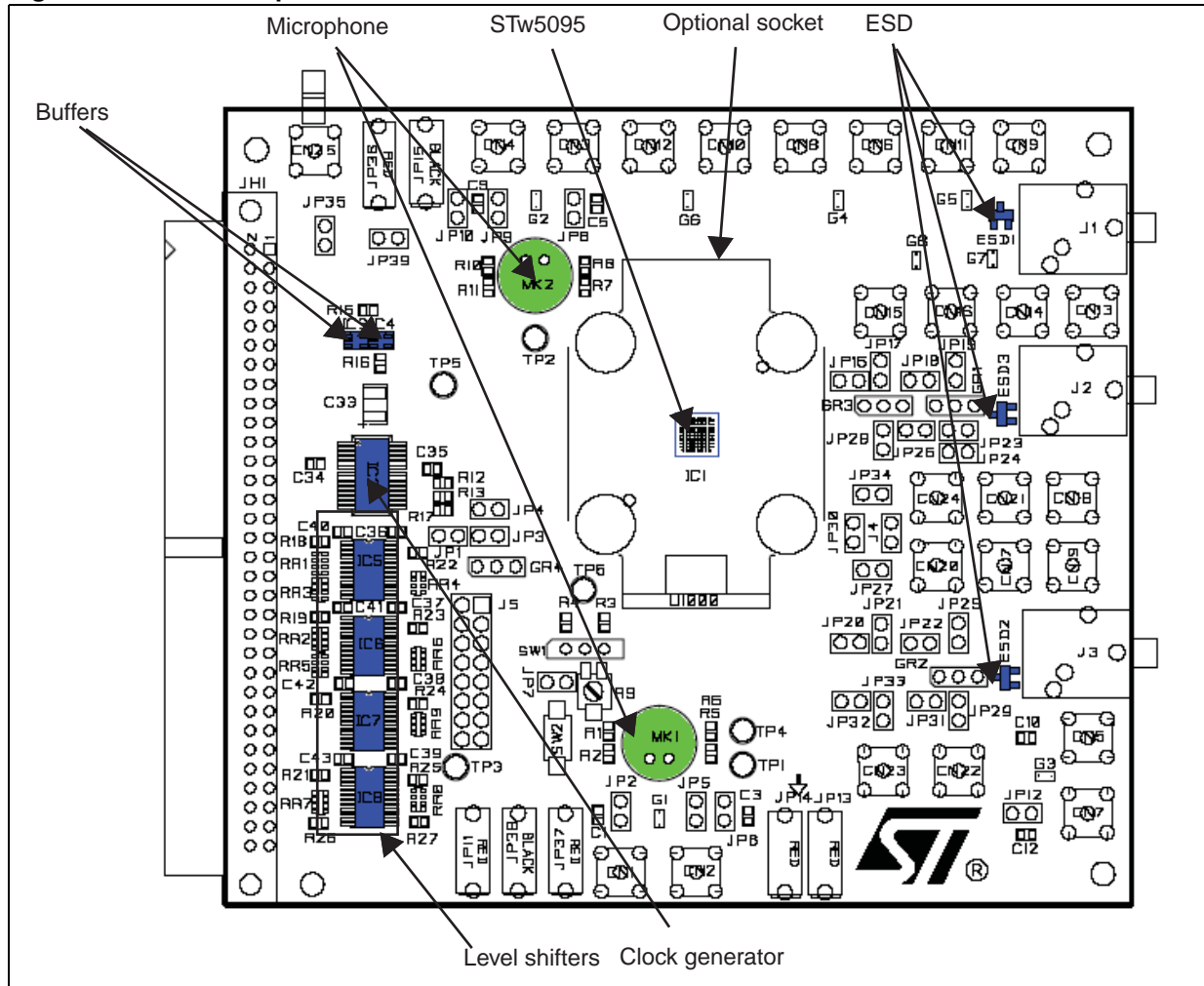
1 Main components

Figure 2. Main components

Table 1. Main components

Component	Ref	Description
IC1	STW5095	Low power asynchronous stereo audio codec with integrated power amplifiers
U1000		Socket
MK1, MK2	58EM100T	Microphone
IC3, IC4	74LX1G07	Single buffer driver
IC2	ICS525	Generate a high quality, high accuracy, high frequency clock output from a clock input.
IC5, IC6, IC7, IC8	74LVC4245A	Octal dual supply translating
ESD1, ESD2, ESD3	ESDA5V3L	Dual transit array for ESD protection

2   Ordering information

Table 2.   Order code

Part number	Description
STw5095/E01	STw5095 evaluation board

3   Revision history

Table 3.   Document revision history

Date	Revision	Changes
19-Sep-2007	1	Initial release.

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