



Speech CODEC

Overview

This software is a speech CODEC library for TLCS-870/C series and TLCS-900 family. It can easily support a recording and playback of speech by being embedded in a device.

Features

- Supports speech recording and playback.
- Compact module size designed for embedding.
- Capable of compressing speech data into less than a half of the original size, using the proprietary compression technology.
- Supports a DA converter/PWM speech output system.

Specifications

- CODEC Toshiba proprietary system
- Sampling Frequency Up to 16KHz
- Quantum Number 8 bits

Operating Conditions

- Target MCU TLCS-870/C series, TLCS-900 family
- Resource Consumption ROM 387 Bytes/RAM 13 Bytes (for SWIP-V200)

Package Contents

Object code, software manual, development support PC application

Application Products

household appliances, toys and games, alarming devices, etc.

Recommended MCUs

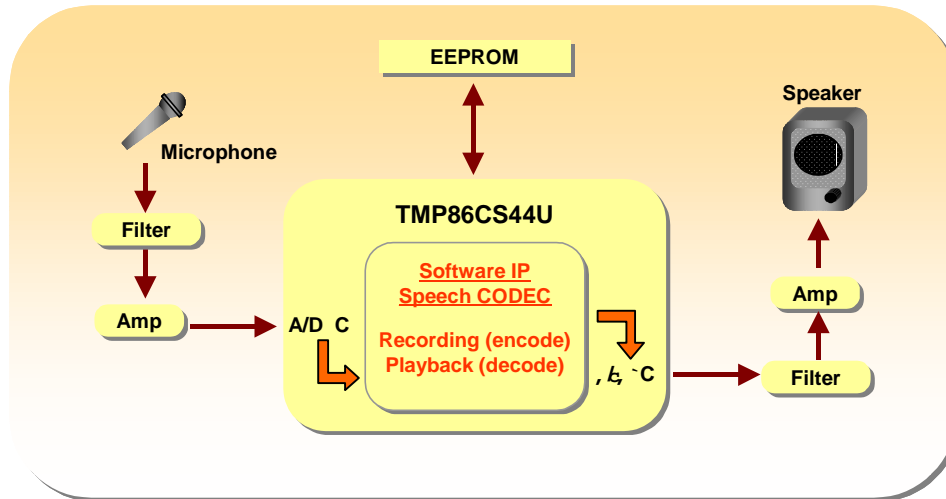
TMP86CS44 and all the other TLCS-870/C series
TLCS-900/L1 series, TLCS-900/H1 series

*For details, please contact your local Toshiba office.

TOSHIBA Semiconductor Company Website:

http://www.semicon.toshiba.co.jp/eng/product/micro/software_ip/index.html

System Structure Example



Lineup of Speech CODEC

SWIP-V100	TLCS-870/C series speech decode library (playback)
SWIP-V101	TLCS-900 family speech decode library (playback)
SWIP-V200	TLCS-870/C series speech encode/decode library (recording/playback)
SWIP-V201	TLCS-900 family speech encode/decode library (recording/playback)

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