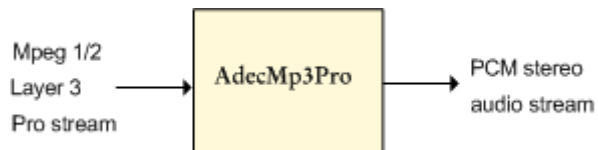**The AdecMp3Pro component decodes bitstreams encoded in 'MPEG1/2-layer 3" with or without the Pro extension format.**

AdecMp3Pro

Description

The AdecMp3Pro component is designed for use in systems that decode Mpeg1/2 layer 3 Pro format audio streams and MPEG-1/2 Layer 3 streams as described by ISO/IEC 11172-3 and IEC13818-3 International Standards.

The AdecMp3Pro component accepts as input MPEG-1/2 Layer 3 Pro audio elementary streams. It always outputs stereo PCM audio samples (if the source is mono, both the left and the right channels contain the same samples).

Applications

- MP3 Player
- Internet/Multimedia system

Documentation

Detailed documentation of the AdecMp3Pro component is available (Specifications, Architecture Implementation, Test Reports).

Features

- DVP compliant
- Fully compliant with the MPEG-1/2 Layer 3 Pro audio standards by ISO/IEC 11172-3 and IEC13818-3.

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AdecMp3Pro

Technical Information

Memory Usage

Static Memory	38.281 KBytes
Dynamic Memory	69 KBytes

Note that additional memory is required for buffering of input and output data. The amount is highly application dependent.

Processor Load (MIPS)

Minimum CPU load	3.4MIPS (8 kbps mono, 11kHz, no mp3PRO stream)
Maximum CPU load	33MIPS (96 kbps, stereo, 48kHz, mp3PRO Stream)

All the measurements have been done with:
Description of the TriMedia board:

Type	Triref
CPU	TM1302
CPU clock	192 MHz
Memory	32 MB SDRAM
SDRAM/CPU clock ratio	1:1

Configuration of the host PC:

Type	NA
CPU	Pentium III
CPU clock	NA
Memory	NA
Operating System	Windows 2000

Other Information

Supported Processors	TM130x
Version number	1.7
Build with Compiler Version	V5.7.1 of tcs2.2-dvp0003WinNT

Example Programs
This library is shipped with an example program, exolAdecMp3Pro, that demonstrates the use of the component.

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