SW320013-1 - PIC32MX AAC Decode Library (Non-modifiable Binary Code) MLA Based

Part Number: SW320013-1   Status: Mature Product

Summary

The AAC algorithm (Non-Modifiable Binary Code) is designed for 80MHz or greater PIC32MX MCUs. This code requires 62MIPS peak 34MIPS average performance, 61KB Flash and 12KB RAM without frame buffer memory for operation on the PIC32MX MCU. Microchip offers AAC Decoder library both in non-modifiable binary code and source code formats that enables usage on high performance PIC32MX devices. This product is the non-modifiable binary code. Users remain responsible for licensing for their products through Via Licensing.

AAC Decoder Libraries for PIC32 is also available in MPLAB Harmony.

Product Features

PIC32MX Advanced Audio Coding (AAC) Decoder library provides easy to use APIs for decoding an audio stream encoded using Advanced Audio Coding (AAC) encoding. The PIC32MX AAC Decoder library supports the following:

- Sample rates:

8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 64, 88.2 and 96KHz

- Bit rates:

32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320, 384 kbps and VBR