24-bit Symphony® DSP

DSP56371
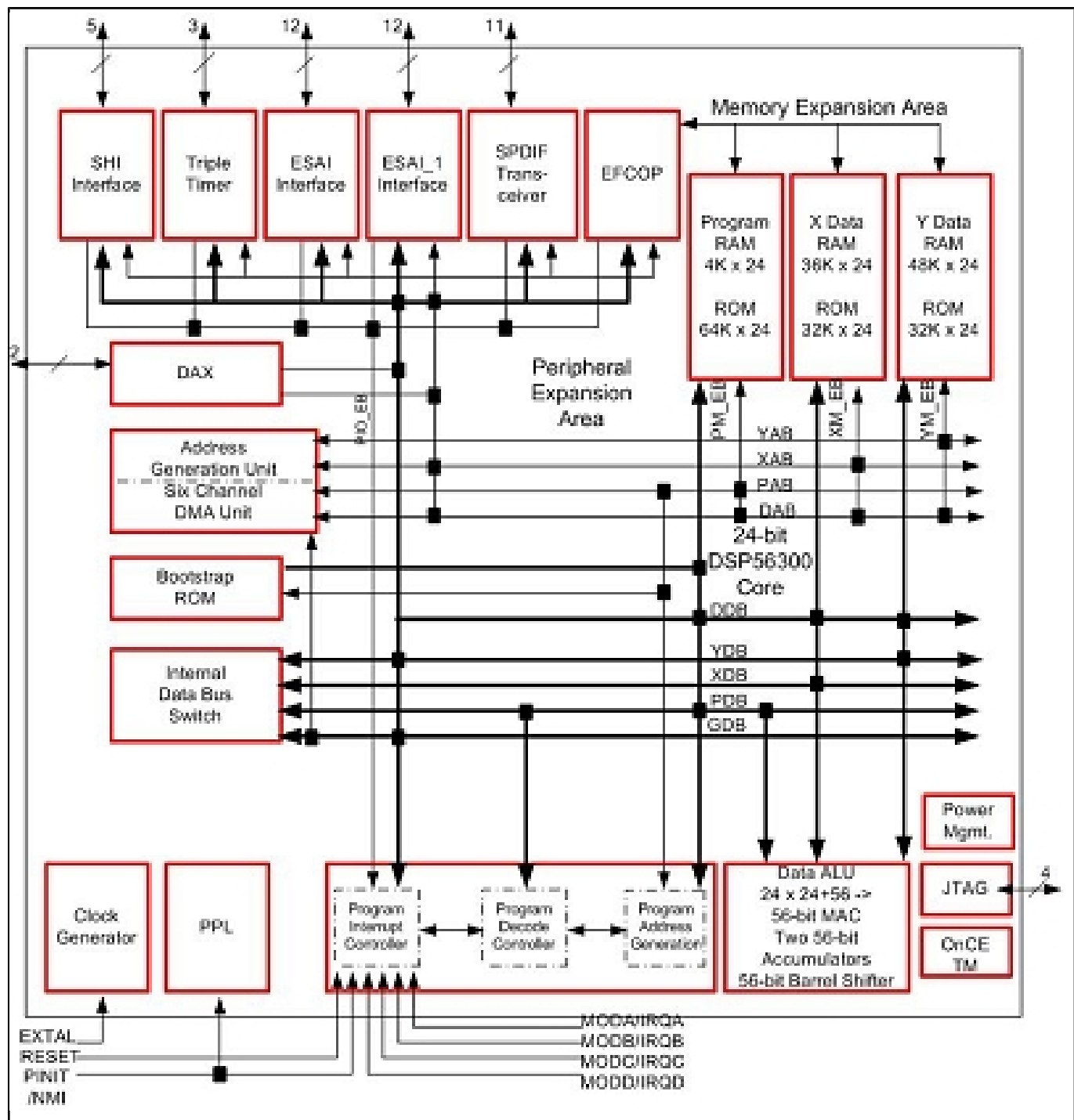
Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

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Targeted at audio/video (AV) receivers, home theaters, surround sound decoders, mini stereo systems, digital TV audio systems and automotive audio systems, the DSP56371 is designed to meet the demands of audio electronics system designers by supporting the latest generation decoders, such as Dolby®, THX® and DTS®, among others.

The DSP56371 is capable of running delay management, bass management and DTS96/24 while using less than half of the DSP's computing capability. This enables designers to add system enhancements that the discerning audio consumer expects. The performance increase is made possible through the use of a higher core frequency, fewer memory wait states, a larger amount of on-chip static random access memory (SRAM) and the addition of an enhanced filter coprocessor (EFCOP). By removing the need for external high-speed SRAM and making smaller, less complex boards, the DSP56371 is performance-rich and cost-effective.

DSP56371 Block Diagram Block Diagram

View additional information for 24-bit Symphony® DSP.

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