



FRDM AUD10 Development Board for Audio Applications

FRDM-AUD10

Preproduction

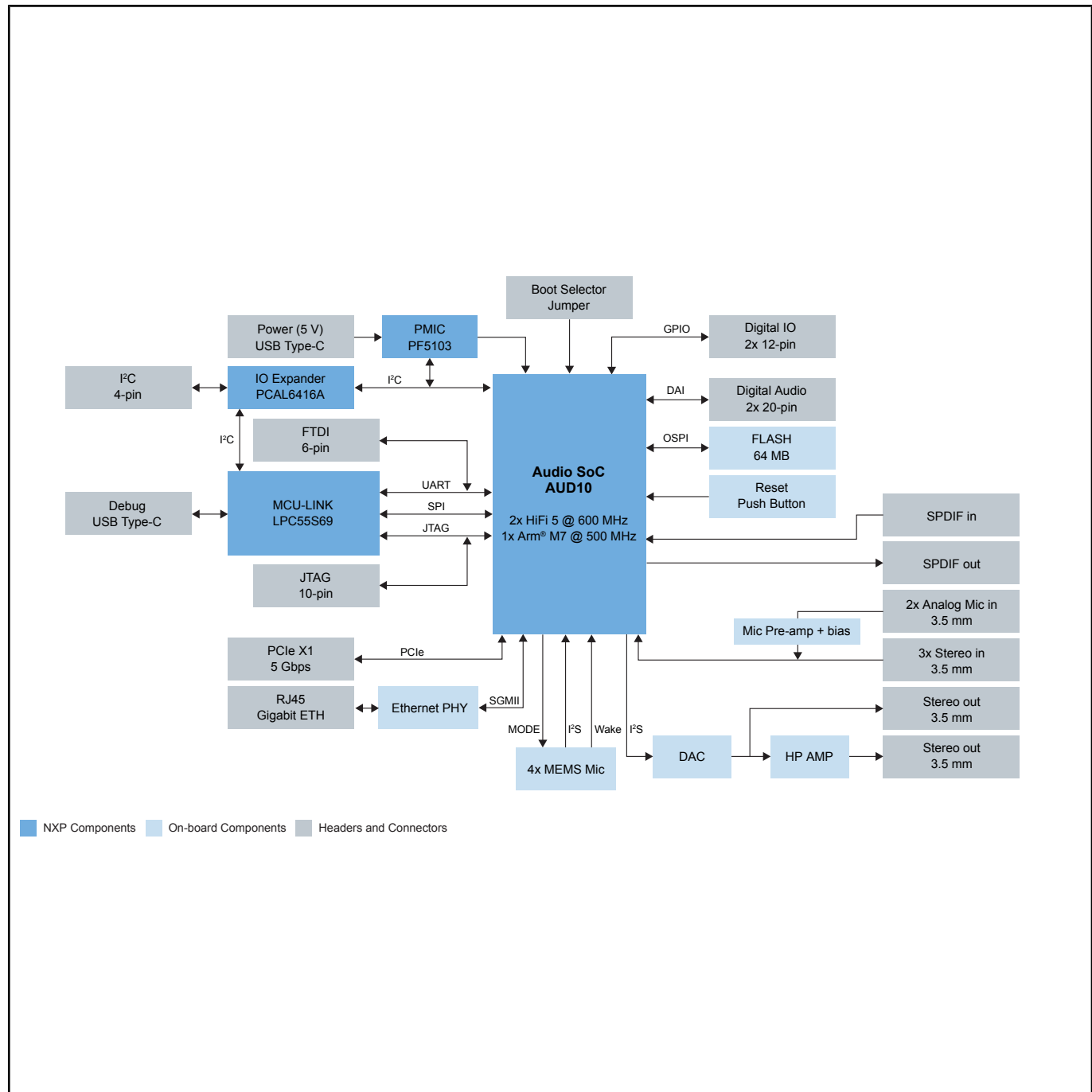
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The FRDM-AUD10 is a compact, low-cost platform for rapid audio prototyping, enabling the evaluation of real-world audio workflows including AI- and ML-based processing. Built-in microelectromechanical systems (MEMS) microphones and sound-source analog-to-digital converter (ADC) inputs—along with dual digital-to-analog converter (DAC) outputs for headphones or speakers—allow assessment of audio quality, latency and performance using actual signals rather than simulations.

The board supports standard digital and audio interfaces, such as time-division multiplexing (TDM) and Inter-Integrated Circuit Sound (I²S), to reduce integration risk when moving from prototype to system design. Development is accelerated with the Audio Weaver board support package (BSP), HiFi 5 digital signal processor (DSP) software development kit (SDK) and an included Xtensa Xplorer license, while USB Type-C power and an Ethernet connection simplify lab setup and PC connectivity.

FRDM AUD10 Development Board Block Diagram



View additional information for [FRDM AUD10 Development Board for Audio Applications](#).

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