FRDM-SAF9100 Development Board for Audio Applications

FRDM-SAF9100

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

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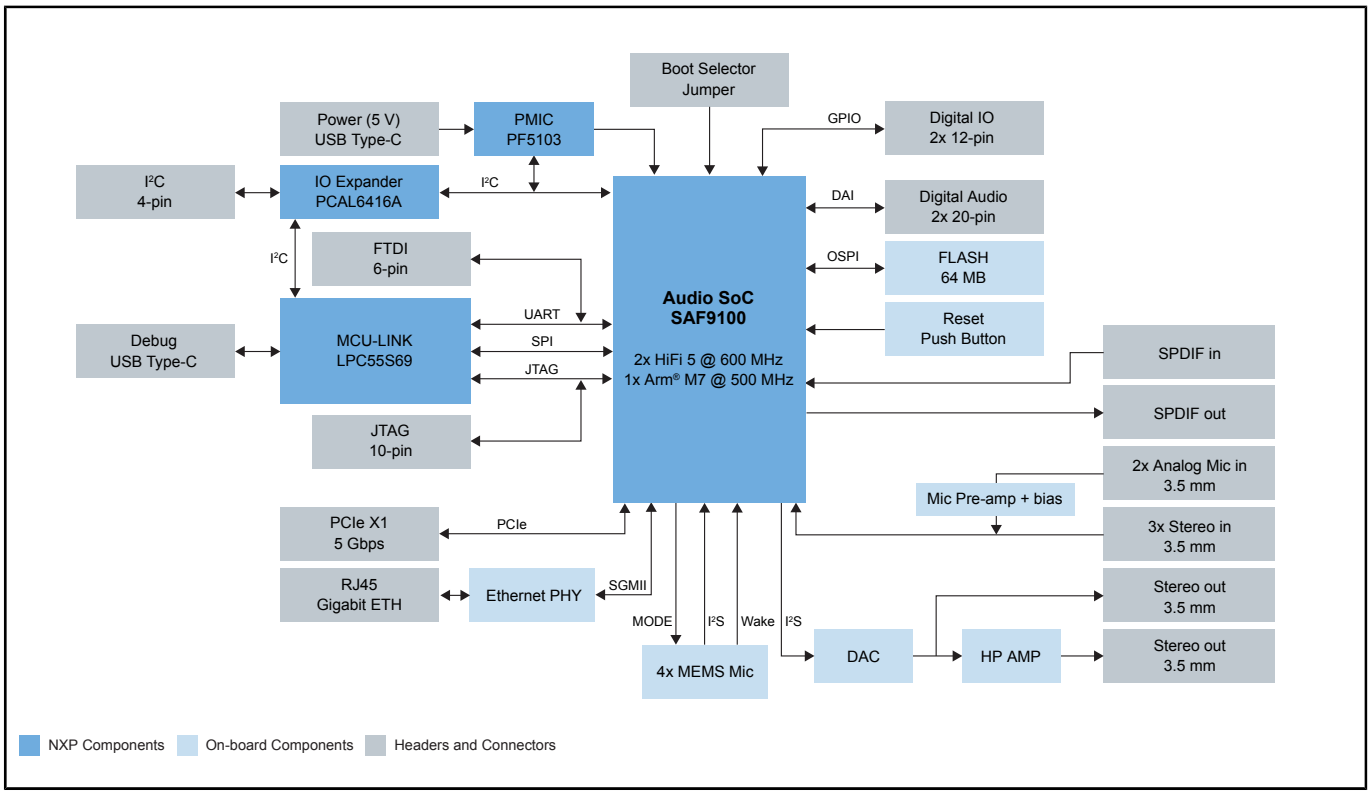
The FRDM-SAF9100 is a compact, low-cost platform for rapid audio prototyping, enabling the evaluation of real-world audio workflows including AI- and ML-based processing. Built-in MEMS microphones and sound-source analog-to-digital converter (ADC) inputs—along with dual digital-to-analog converter (DAC) outputs for headphones or speakers—allow assessment of audio quality, latency and performance using actual signals rather than simulations.

The board supports standard digital/audio interfaces, such as Time Division Multiplexing (TDM) and Inter-IC Sound (I²S), reducing 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-C power and an RJ45 connection simplify lab setup and PC connectivity.

FRDM SAF9100 Development Board Features Block Diagram



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