Synchronous Boost Converter

Features

- N+N Power DMOS Output Stage
- 6 A Input Current Capability
- Current Limit and Thermal Shut Down
- Current Mode Operation
- Bypass Mode for Class-G Audio Applications
- 1 MHz Switching

Applications

- BT Speakers
- Digital Set Top Boxes
- Boost Audio Amplifiers

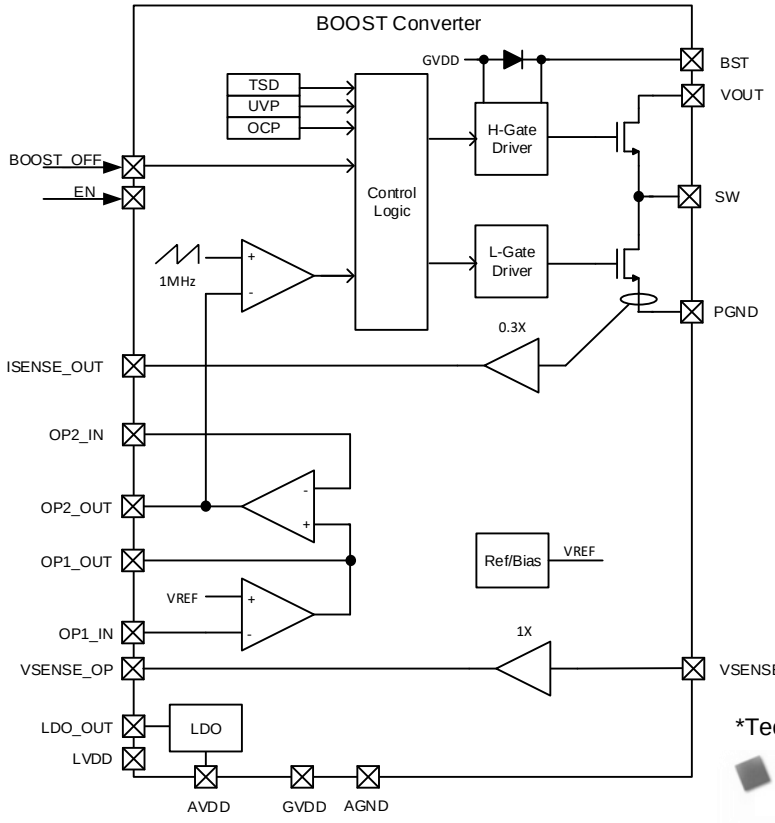
Description

This document contains detailed target specifications of the SMA6021 boost converter with bypass mode for class-G audio applications. The SMA6021 has built-in high efficiency low-side N-FET and high-side N-FET, and the maximum input current is 6 A.

Device Information

Part	Package	Size
SMA6021	32 QFN	5 mm x 5 mm

Simplified Block Diagram



*Technology by

Iron Device Corporation

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