Product Overview

ADP3212A: Synchronous Buck Controller, 7-Bit, Programmable, Dual-Phase, Mobile, CPU

For complete documentation, see the data sheet

Product Description

7-Bit, Programmable, 3-Phase, Mobile CPU Synchronous Buck Controller

Features	Benefits
• Single-Chip Solution	• single chip
• Fully compatible with the Intel® IMVP-6.5 specifications	• fully compatible
• Selectable 1-, 2-, or 3-phase operation with up to 1 MHz per phase switching frequency	• selectable operation
• Phase 1 and phase 2 integrated MOSFET drivers	• integrated MOSFET drivers
• Input voltage range of 3.3V to 22V	• voltage range
• Automatic power-saving mode maximizes efficiency with light load during deeper sleep operation	• efficiency
• Active current balancing between output phases	• Current balancing
• Independent current limit and load line setting inputs for additional design flexibility	• design flexibility
• 48-lead QFN 7x7mm (ADP3212A), 48-lead QFN 6x6mm (NCP3218A)	• 2 packages offered
• Guaranteed ±8 mV worst-case differentially sensed core voltage error over temperature	

Applications

- Notebook power supplies for next-generation Intel® processors

For more information please contact your local sales support at www.onsemi.com

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