



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## ADP3209C: 5-Bit, Programmable, Single-Phase, Synchronous Buck Controller

[print version](#) | [download overview](#)

### Previously Viewed Products

Select Product...

[Clear List](#)

### Overview

»View Material Composition  
 »No Product Change Notifications exist

### Product Description

5-Bit, Programmable, Single-Phase, Synchronous Buck Controller

### Features

- Single-chip solution. Fully compatible with the Intel® GMCH chipset voltage regulator specifications. Integrated MOSFET drivers.
- Input voltage range of 3.3V to 22V.
- ±8mV worst-case differentially sensed core voltage error over temperature.
- Automatic power-saving modes maximizes efficiency during light load operation.
- Soft transient control reduces inrush current and audio noise.
- Independent current limit and load line setting inputs for additional design flexibility.
- Built-in power-good masking supports voltage identification (VID) on-the-fly transients.
- 5-bit, digitally programmable DAC with 0.4V to 1.25V output.
- Short-circuit protection with latch-off delay.
- Output current monitor.
- 32-lead LFCSP.

### Benefits

- Improved efficiency.
- Vast voltage range.
- Improved efficiency.
- Improved efficiency.
- Noise reduction.
- Increased flexibility.
- Improved efficiency.
- Improved efficiency.
- Improved protection.
- Improved efficiency.
- Package availability.

### Applications

- Notebook power supplies for next-generation Intel® chipsets.

### Technical Information

[Package Drawings \(1\)](#)

### Availability and Samples

Product	Status	Pb-free	Description	Package			MSL*	Container		Budgetary Price/ Unit
				Type	Pins	Case Outline		Type	Qty.	
ADP3209CJCPZ-RL	Active		5-Bit, Programmable, Single-Phase, Synchronous Buck Controller	LFCSP32, 5x5, 0.5P	32	932AE	3	Tape and Reel	5000	\$0.8666 <a href="#">Sample</a>
ADP3209DJCPZ-RL	Active		5-Bit, Programmable, Single-Phase, Synchronous Buck Controller	LFCSP32, 5x5, 0.5P	32	932AE	3	Tape and Reel	5000	\$0.8666 <a href="#">Sample</a>

Moisture Sensitivity level (MSL) for surface mount devices (lead free measured at 260°C reflow, non lead free at 235°C reflow)

### Design Support

[Technical Documentation](#)  
[Design Resources](#)  
[Technical Support](#)  
[Sales Support](#)

### New Semiconductor & Integrated Circuit Devices

#### NCP3011 : Synchronous PWM Controller

- ❖ Input voltage range of 4.7 to 28 V; 400 kHz switching frequency
- ❖ Provides 1.0 A gate drive with Vout as low as 0.8 V
- ❖ Ceramic output capacitors; sync external frequency; output over/undervoltage protection

#### NCP3020 : Synchronous PWM Controller

- ❖ Input voltage range of 4.7 to 28 V; switching frequency 300 kHz (NCP3020A), 600 kHz (NCP3020B)
- ❖ Provides 1.0 A gate drive with Vout as low as 0.6 V
- ❖ Ceramic output capacitors; regulated soft-start; output over/undervoltage protection