

**ZL2004ALNN Information**


For Reference Only

**Part Number** [ZL2004ALNN](#)  
**Manufacturer** Renesas Electronics America  
**Category** Integrated Circuits (ICs)  
[PMIC - Voltage Regulators - DC DC Switching Controllers](#)  
**Description** IC REG CTRLR BUCK PMBUS 32QFN  
**Package** 32-VFQFN Exposed Pad  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**ZL2004ALNN Specifications**

Manufacturer Part Number	<a href="#">ZL2004ALNN</a>
Manufacturer	Renesas Electronics America
Category	Integrated Circuits (ICs) <a href="#">PMIC - Voltage Regulators - DC DC Switching Controllers</a>
Package	32-VFQFN Exposed Pad
Series	-
Output Type	PWM Signal
Function	Step-Down
Output Configuration	Positive
Topology	Buck
Number of Outputs	1
Output Phases	1
Voltage - Supply (Vcc/Vdd)	4.5 V ~ 14 V
Frequency - Switching	200kHz ~ 1.4MHz
Duty Cycle (Max)	95%
Synchronous Rectifier	-
Clock Sync	Yes
Serial Interfaces	I <sup>2</sup> C, PMBus, SMBus
Control Features	Current Limit, Enable, Power Good, Soft Start, Tracking
Operating Temperature	-40°C ~ 85°C (TA)
Package / Case	32-VFQFN Exposed Pad
Supplier Device Package	32-QFN (5x5)

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## ZL2004ALNN Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## ZL2004ALNN Payment Methods



## ZL2004ALNN Shipping Methods



If you have any question about ZL2004ALNN, please do not hesitate to contact us!

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