



TPS59124RGER Information



For Reference Only

Part Number TPS59124RGER

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR BUCK 24VQFN

Package 24-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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TPS59124RGER Specifications

Manufacturer Part Number TPS59124RGER Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 24-VFQFN Exposed Pad Series D-CAP? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 2 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 28 V Frequency - Switching Selectable Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 24-VFQFN Exposed Pad Series D-CAP? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 2 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 28 V Frequency - Switching Selectable Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFGFN Exposed Pad Supplier Device Package 24-VFFN Exposed Pad	Manufacturer Part Number	TPS59124RGER
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Series D-CAP? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 2 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 28 V Frequency - Switching Selectable Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 28 VFrequency - SwitchingSelectableDuty Cycle (Max)-Synchronous RectifierYesClock SyneNoSerial Interfaces-Control FeaturesEnable, On Time Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case24-VFQFN Exposed PadSupplier Device Package24-VGFN (4x4)	Package	24-VFQFN Exposed Pad
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 28 VFrequency - SwitchingSelectableDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, On Time Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Series	D-CAP?
Output ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 28 VFrequency - SwitchingSelectableDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, On Time Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Output Type	Transistor Driver
Topology Buck Number of Outputs 2 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 28 V Frequency - Switching Selectable Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case Supplier Device Package 24-VFQFN Exposed Pad	Function	Step-Down
Number of Outputs2Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 28 VFrequency - SwitchingSelectableDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, On Time Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Output Configuration	Positive
Output Phases Voltage - Supply (Vcc/Vdd) Selectable Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case Supplier Device Package 24-VQFN (4x4)	Topology	Buck
Voltage - Supply (Vcc/Vdd)3 V ~ 28 VFrequency - SwitchingSelectableDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, On Time Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case24-VFQFN Exposed PadSupplier Device Package24-VQFN (4x4)	Number of Outputs	2
Frequency - Switching Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Output Phases	1
Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Voltage - Supply (Vcc/Vdd)	3 V ~ 28 V
Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Frequency - Switching	Selectable
Clock Sync No Serial Interfaces - Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Duty Cycle (Max)	-
Serial Interfaces Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Synchronous Rectifier	Yes
Control Features Enable, On Time Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Clock Sync	No
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Serial Interfaces	-
Package / Case 24-VFQFN Exposed Pad Supplier Device Package 24-VQFN (4x4)	Control Features	Enable, On Time Control, Power Good
Supplier Device Package 24-VQFN (4x4)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	24-VFQFN Exposed Pad
Report errors?	Supplier Device Package	24-VQFN (4x4)
		Report errors?

TPS59124RGER 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.

TPS59124RGER Payment Methods



















TPS59124RGER Shipping Methods













If you have any question about TPS59124RGER, please do not hesitate to contact us!

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