

LT8705AIUHF#TRPBF

LT8705AIUHF#TRPBF Information



For Reference Only

Part Number LT8705AIUHF#TRPBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR BUCK-BOOST 38QFN

Package 38-WFQFN 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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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.









LT8705AIUHF#TRPBF Specifications

Manufacturer Part Number Manufacturer Linear Technology Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package Series Output Type Transistor Driver Function Output Configuration Positive Topology Buck-Boost Number of Outputs Output Phases 2 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Serial Interfaces Fishle Figuration Serial Series First		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers 38-WFQFN Exposed Pad Series Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Serial Interfaces Interfaces Interfaces Interfaces Lock Switching Controllers PMIC - Voltage Regulators - DC DC Switching Controllers PMIC - Voltage Regulators - DC DC Switching Controllers Interfaces Lock Switching Controllers Serial Interfaces Interfaces	Manufacturer Part Number	LT8705AIUHF#TRPBF
PMIC - Voltage Regulators - DC DC Switching Controllers Package 38-WFQFN Exposed Pad Series - Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Manufacturer	Linear Technology
Package 38-WFQFN Exposed Pad Series - Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Category	Integrated Circuits (ICs)
Series - Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -		PMIC - Voltage Regulators - DC DC Switching Controllers
Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Package	38-WFQFN Exposed Pad
Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Series	-
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Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Topology	Buck-Boost
Voltage - Supply (Vcc/Vdd) Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Serial Interfaces -	Number of Outputs	2
Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Output Phases	2
Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Voltage - Supply (Vcc/Vdd)	2.8 V ~ 80 V
Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces -	Frequency - Switching	100kHz ~ 400kHz
Clock Sync Yes Serial Interfaces -	Duty Cycle (Max)	-
Serial Interfaces -	Synchronous Rectifier	Yes
	Clock Sync	Yes
Control Footness Control Coff Start	Serial Interfaces	-
Control reatures Enable, Frequency Control, Soft Start	Control Features	Enable, Frequency Control, Soft Start
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Package / Case 38-WFQFN Exposed Pad	Package / Case	38-WFQFN Exposed Pad
Supplier Device Package 38-QFN (5x7)	Supplier Device Package	38-QFN (5x7)
Report error		Report errors?

LT8705AIUHF#TRPBF 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.

LT8705AIUHF#TRPBF Payment Methods



















LT8705AIUHF#TRPBF Shipping Methods













If you have any question about LT8705AIUHF#TRPBF, please do not hesitate to contact us!

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