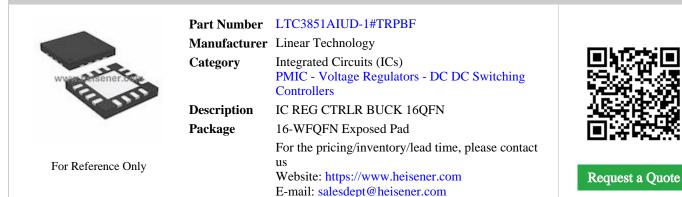


LTC3851AIUD-1#TRPBF

LTC3851AIUD-1#TRPBF Information



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.



LTC3851AIUD-1#TRPBF Specifications

ManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-WFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)9%Synchronous RectifierKesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-WFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous Rectifier-Clock SyncNoSteial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-QFN-EP (3x3)	Manufacturer Part Number	LTC3851AIUD-1#TRPBF
PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-WFQFN Exposed PadSeries-Output TypeTransistor DriverStep-DownStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous Rectifier-Clock SyncNoSteial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-QFN-EP (3x3)	Manufacturer	Linear Technology
Package16-WFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Category	Integrated Circuits (ICs)
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-QFN-EP (3x3)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VStrep-Down235kHz ~ 750kHzDuty Cycle (Max)9%Synchronous RectifierVoltage - Supple (Directifier)Strial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Package	16-WFQFN Exposed Pad
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VSynchronous Rectifier235kHz ~ 750kHzSynchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Series	-
Output ConfigurationPositivePoologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Output FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-QFN-EP (3x3)	Output Type	Transistor Driver
TopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Function	Step-Down
Number of Outputs1Output Phases1Output Phases4 V ~ 38 VVoltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Output Configuration	Positive
Output Phases1Voltage - Supply (Vcc/Vd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Topology	Buck
Voltage - Supply (Vcc/Vdd)4 V ~ 38 VFrequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Number of Outputs	1
Frequency - Switching235kHz ~ 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Output Phases	1
Duty Cycle (Max)99%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Voltage - Supply (Vcc/Vdd)	4 V ~ 38 V
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Frequency - Switching	235kHz ~ 750kHz
Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Duty Cycle (Max)	99%
Serial Interfaces-Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Synchronous Rectifier	Yes
Control FeaturesEnable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Clock Sync	No
Operating Temperature-40°C ~ 125°C (TJ)Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Serial Interfaces	-
Package / Case16-WFQFN Exposed PadSupplier Device Package16-QFN-EP (3x3)	Control Features	Enable, Frequency Control, Power Good, Soft Start, Tracking
Supplier Device Package16-QFN-EP (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	16-WFQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN-EP (3x3)
		Report errors?

LTC3851AIUD-1#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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

LTC3851AIUD-1#TRPBF Payment Methods



If you have any question about LTC3851AIUD-1#TRPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com