

### LTC3822EDD-1#PBF

#### LTC3822EDD-1#PBF Information



For Reference Only

Part Number LTC3822EDD-1#PBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR BUCK 12DFN

Package 12-WFDFN 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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## LTC3822EDD-1#PBF Specifications

Manufacturer Part NumberLTC3822EDD-1#PBFManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage12-WFDFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.75 V ~ 4.5 VFrequency - Switching300kHz, 550kHz, 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case12-WFDFN Exposed PadSupplier Device Package12-DFN (3x3)		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Package         12-WFDFN Exposed Pad           Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         2.75 V ~ 4.5 V           Frequency - Switching         300kHz, 550kHz, 750kHz           Duty Cycle (Max)         99%           Synchronous Rectifier         Yes           Clock Sync         Yes           Serial Interfaces         -           Control Features         Enable, Power Good, Soft Start, Tracking           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         12-WFDFN Exposed Pad           Supplier Device Package         12-DFN (3x3)	Manufacturer Part Number	LTC3822EDD-1#PBF
Package 12-WFDFN Exposed Pad  Series - Output Type Transistor Driver  Function Step-Down Output Configuration Positive  Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.75 V ~ 4.5 V Frequency - Switching 300kHz, 550kHz, 750kHz Duty Cycle (Max) 99%  Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Power Good, Soft Start, Tracking Operating Temperature -40°C ~ 85°C (TA) Package / Case 12-WFDFN Exposed Pad Supplier Device Package 12-DFN (3x3)	Manufacturer	Linear Technology
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FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.75 V ~ 4.5 VFrequency - Switching300kHz, 550kHz, 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case12-WFDFN Exposed PadSupplier Device Package12-DFN (3x3)	Series	-
Output ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.75 V ~ 4.5 VFrequency - Switching300kHz, 550kHz, 750kHzDuty Cycle (Max)99%Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case12-WFDFN Exposed PadSupplier Device Package12-DFN (3x3)	Output Type	Transistor Driver
Topology  Number of Outputs  1 Output Phases  1 Voltage - Supply (Vcc/Vdd)  Frequency - Switching  300kHz, 550kHz, 750kHz  Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  Serial Interfaces  - Control Features  Deprating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  12-DFN (3x3)	Function	Step-Down
Number of Outputs  Output Phases  1  Voltage - Supply (Vcc/Vdd)  2.75 V ~ 4.5 V  Frequency - Switching  300kHz, 550kHz, 750kHz  Duty Cycle (Max)  99%  Synchronous Rectifier  Yes  Clock Sync  Yes  Serial Interfaces  - Control Features  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  12-DFN (3x3)	Output Configuration	Positive
Output Phases  Voltage - Supply (Vcc/Vdd)  2.75 V ~ 4.5 V  Frequency - Switching  300kHz, 550kHz, 750kHz  Duty Cycle (Max)  99%  Synchronous Rectifier  Yes  Clock Sync  Yes  Serial Interfaces  - Control Features  Enable, Power Good, Soft Start, Tracking  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  12-WFDFN Exposed Pad  Supplier Device Package  12-DFN (3x3)	Topology	Buck
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Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  Yes  Serial Interfaces  -  Control Features  Enable, Power Good, Soft Start, Tracking  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  12-WFDFN Exposed Pad  Supplier Device Package  12-DFN (3x3)	Voltage - Supply (Vcc/Vdd)	2.75 V ~ 4.5 V
Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces	Frequency - Switching	300kHz, 550kHz, 750kHz
Clock Sync Yes  Serial Interfaces -  Control Features Enable, Power Good, Soft Start, Tracking  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 12-WFDFN Exposed Pad  Supplier Device Package 12-DFN (3x3)	Duty Cycle (Max)	99%
Serial Interfaces  Control Features  Enable, Power Good, Soft Start, Tracking  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  12-WFDFN Exposed Pad  Supplier Device Package  12-DFN (3x3)	Synchronous Rectifier	Yes
Control Features Enable, Power Good, Soft Start, Tracking  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case 12-WFDFN Exposed Pad  Supplier Device Package 12-DFN (3x3)	Clock Sync	Yes
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 12-WFDFN Exposed Pad  Supplier Device Package 12-DFN (3x3)	Serial Interfaces	-
Package / Case 12-WFDFN Exposed Pad Supplier Device Package 12-DFN (3x3)	Control Features	Enable, Power Good, Soft Start, Tracking
Supplier Device Package 12-DFN (3x3)	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	12-WFDFN Exposed Pad
Report errors?	Supplier Device Package	12-DFN (3x3)
		Report errors?

#### LTC3822EDD-1#PBF 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.

### LTC3822EDD-1#PBF Payment Methods



















# LTC3822EDD-1#PBF Shipping Methods













If you have any question about LTC3822EDD-1#PBF, please do not hesitate to contact us!

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