

LTC3838EFE

LTC3838EFE Information

Heisener.com	Manufacturer Category Description	LTC3838EFE Linear Technology Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers IC POWER MANAGEMENT 38-TFSOP (0.173", 4.40mm Width) Exposed Pad	
For Reference Only	Package	Solution For the pricing/inventory/lead time, please contact us	
		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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LTC3838EFE Specifications

Manufacturer Part NumberLTC3838EFEManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage38-TFSOP (0.173", 4.40mm Width) Exposed PadSeriesPolyPhase®Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHZDuty Cycle (Max)-Serial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case38-TESOP (0.173", 4.40mm Width) Exposed Pad				
CategoryIntegrated Circuits (Cs)PMC - Voltage Regulators - DC DC Switching ControllersPackage38-TFSOP (0.173", 4.40mm Width) Exposed PadSeriesPolyPhase®Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 20HHzDuty Cycle (Max)-Synchronous RectifierNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)	Manufacturer Part Number	LTC3838EFE		
HIC - Voltage Regulators - DC DC Switching ControllersPackage38-TFSOP (0.173", 4.40mm Width) Exposed PadSeriesPolyPhase®Output TypeFransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching20kHz ~ 20HHzOutput Step-Synchronous RectifierNoSerial Interfaces-Output Factores-Output Step-Output Step-Output Step-Step Control Factores-Step Control Factores-Output Step Control Factores	Manufacturer	Linear Technology		
Package 38-TFSOP (0.173", 4.40mm Width) Exposed Pad Series PolyPhase® Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 38 V Frequency - Switching 200kHz ~ 2MHz Duty Cycle (Max) - Serial Interfaces . Clock Sync No Serial Interfaces . Output Features . Output Features . Operating Temperature .40°C ~ 125°C (TJ)	Category	Integrated Circuits (ICs)		
SeriesPolyPhase®Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Output Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)		PMIC - Voltage Regulators - DC DC Switching Controllers		
Output TypeTansistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VPrequency - Switching200kHz ~ 20HHzDuty Cycle (Max)-Synchronous RectifierNoClock SyncNoSerial Interfaces-Output Fequency Englement-Serial Interfaces-Output Fequency Englement-Serial Interfaces-Output Fequency Englement-Serial Interfaces-Output Fequency Englement-Output Fequency Englement-Output Fequency Englement-Serial Interfaces-Output Fequency Englement-Operating Temperature-Output Fequency Englement-Output Fequency Englement- <td< td=""><td>Package</td><td>38-TFSOP (0.173", 4.40mm Width) Exposed Pad</td><td></td></td<>	Package	38-TFSOP (0.173", 4.40mm Width) Exposed Pad		
Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 38 V Frequency - Switching 200kHz ~ 2MHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Frequency Control, Phase Control, Power Good, Soft Start, Tracking Operating Temperature -40°C ~ 125°C (TJ)	Series	PolyPhase®		
Output ConfigurationPositiveTopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Cytl, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Output Type	Transistor Driver		
TopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Function	Step-Down		
Number of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Output Configuration	Positive		
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Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Number of Outputs	2		
Frequency - Switching200kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Output Phases	2		
Duty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 38 V		
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Frequency - Switching	200kHz ~ 2MHz		
Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Duty Cycle (Max)	-		
Serial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Synchronous Rectifier	Yes		
Control FeaturesEnable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)	Clock Sync	No		
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{(TJ)}$	Serial Interfaces	-		
	Control Features	Enable, Frequency Control, Phase Control, Power Good, Soft Start, Tracking		
Package / Case 38-TESOP (0.173", 4.40mm Width) Exposed Pad	Operating Temperature	-40°C ~ 125°C (TJ)		
	Package / Case	38-TFSOP (0.173", 4.40mm Width) Exposed Pad		
Supplier Device Package 38-TSSOP-EP	Supplier Device Package	38-TSSOP-EP		
Report errors?			Report errors?	

LTC3838EFE 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.

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Service Guarantees

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

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