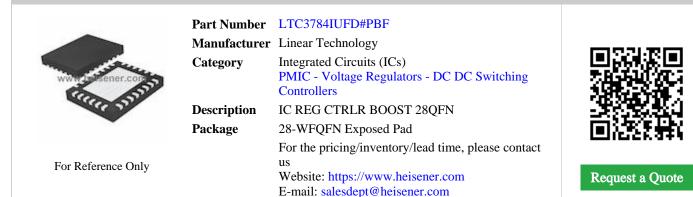


LTC3784IUFD#PBF

LTC3784IUFD#PBF 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.



LTC3784IUFD#PBF Specifications

Manufacturer Linear Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 28-WFQFN Exposed Pad Series PolyPhase? Dutput Type Transistor Driver Surction Step-Up Dutput Configuration Positive Dutput Configuration Positive Soutput Phases 2 Output Phases 2 Output Phases 2 Output Configuration 96% Output Configuration 96% Output Phases - Coutput Phases 96% Synchronous Rectifier Yes Synchronous Rectifier - Output Features - Control Features - Control Features - Control Features - Output Phases - Sockage / Case 28-WFQFN Exposed Pad Soutput Phase - Soutput Phase - Control Features -			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage28-WFQFN Exposed PadPackagePolyPhase?Dutput TypeTransistor DriverSeriersStep-UpDutput ConfigurationStep-UpDoutput ConfigurationPositiveFopologyBoostDutput Phases2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VPrequency - Switching105kHz ~ 760kHzDutput Confoous RectifierYesClock SyncNoClorool Features-Control Features-Output Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Manufacturer Part Number	LTC3784IUFD#PBF	
PMIC - Voltage Regulators - DC DC Switching ControllersPackage28-WFQFN Exposed PadPackagePolyPhase?Dutput TypeTransistor DriverSurp-UpStep-UpDutput ConfigurationPositiveFopologyBoostVumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VPrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClord Features-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature4.0°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Manufacturer	Linear Technology	
Package28-WFQFN Exposed PadSeriesPolyPhase?Dutput TypeTransistor DriverFunctionStep-UpDutput ConfigurationPositiveFopologyBoostSoutput Phases2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VPrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case88-WFQFN Exposed Pad	Category	Integrated Circuits (ICs)	
SeriesPolyPhase?Dutput TypeTransistor DriverFunctionStep-UpDutput ConfigurationPositiveTopologyBoostNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl Features-Control Features-Output Type (Case)4.0°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)		PMIC - Voltage Regulators - DC DC Switching Controllers	
Dutput TypeTransistor DriverFunctionStep-UpDutput ConfigurationPositiveFopologyBoostNumber of Outputs2Dutput Phases2Output Yoc/Vdd)4.5 V ~ 60 VVoltage - Supply (Vcc/Vdd)105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl Features-Output Fraquency - Suite-Serial Interfaces-Derating Temperature40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package88-QFN (4x5)	Package	28-WFQFN Exposed Pad	
FunctionStep-UpDutput ConfigurationPositiveFopologyBoostNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl Features-Derating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Series	PolyPhase?	
Dutput ConfigurationPositiveFopologyBoostSumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartDerating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output Type	Transistor Driver	
FopologyBoostFopologyBoostSumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync.Control Features-Outperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Function	Step-Up	
Number of Outputs2Output Phases2Voltage - Supply (Vcc/Vd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzOuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync-Control Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output Configuration	Positive	
Dutput Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Topology	Boost	
Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching105kHz ~ 760kHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync.Control Features-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature4.0°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Number of Outputs	2	
Frequency - Switching105kHz ~ 760kHzOuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output Phases	2	
Duty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 60 V	
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Frequency - Switching	105kHz ~ 760kHz	
Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Duty Cycle (Max)	96%	
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Synchronous Rectifier	Yes	
Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Clock Sync	No	
Derating Temperature-40°C ~ 125°C (TJ)Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Serial Interfaces	-	
Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start	
Supplier Device Package 28-QFN (4x5)	Operating Temperature	-40°C ~ 125°C (TJ)	
	Package / Case	28-WFQFN Exposed Pad	
Report errors?	Supplier Device Package	28-QFN (4x5)	
			Report errors?

LTC3784IUFD#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 BUARANTEE

Service Guarantees

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

LTC3784IUFD#PBF Payment Methods





If you have any question about LTC3784IUFD#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com