

# LTC3114MPFE-1#TRPBF

#### LTC3114MPFE-1#TRPBF Information





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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.



# LTC3114MPFE-1#TRPBF Specifications

ManufacturerLinear TechnologyManufacturerIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableVoltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VCurrent - Output1.Frequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)1Prequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer Part Number	LTC3114MPFE-1#TRPBF
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)1Prequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Manufacturer	Linear Technology
Package16-TSSOP (0.173", 4.40mm Width) Exposed PadSeries-FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Min/Fixed)2.7VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VVoltage - Output (Max)40VVoltage - Output (Max)40VVoltage - Output (Max)1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Category	Integrated Circuits (ICs)
Series-FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Min/Fixed)2.7VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VVoltage - Output (Max)5.7°C ~ 150°C (TJ)Synchronous RectifierYesOperating Temperature.55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableOutput Type1Number of Outputs2.2VVoltage - Input (Min)2.2VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)40VVoltage - Output (Max)40VVoltage - Output (Max)1.4Frequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Package	16-TSSOP (0.173", 4.40mm Width) Exposed Pad
Output ConfigurationPositiveTopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VVoltage - Output (Max)40VVoltage - Output (Max)40VVoltage - Output (Max)40VSynchronous Rectifier1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Series	-
TopologyBuck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Min/Fixed)40VVoltage - Output (Max)40VVoltage - Output (Max)40VSprehen Sterifier1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Function	Step-Up/Step-Down
ProcessProcessOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VVoltage - Output (Max)40VCurrent - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VCurrent - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Topology	Buck-Boost
Voltage - Input (Min)2.2VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VCurrent - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Output Type	Adjustable
Voltage - Input (Max)40VVoltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VCurrent - Output1.AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Number of Outputs	1
Voltage - Output (Min/Fixed)2.7VVoltage - Output (Max)40VCurrent - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Voltage - Input (Min)	2.2V
Voltage - Output (Max)40VCurrent - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Voltage - Input (Max)	40V
Current - Output1AFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Voltage - Output (Min/Fixed)	2.7V
Frequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Voltage - Output (Max)	40V
Synchronous RectifierYesOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Current - Output	1A
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Frequency - Switching	1.2MHz
Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Synchronous Rectifier	Yes
Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed PadSupplier Device Package16-TSSOP-EP	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 16-TSSOP-EP	Mounting Type	Surface Mount
	Package / Case	16-TSSOP (0.173", 4.40mm Width) Exposed Pad
Report errors?	Supplier Device Package	16-TSSOP-EP
		Report errors?

### LTC3114MPFE-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 Guarantees**

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

#### LTC3114MPFE-1#TRPBF Payment Methods



If you have any question about LTC3114MPFE-1#TRPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com