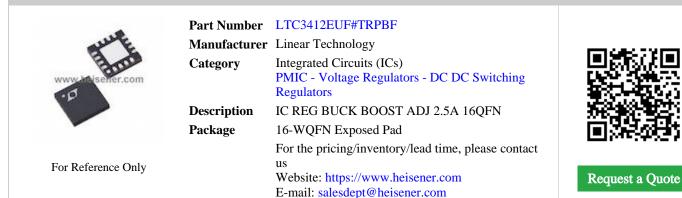


LTC3412EUF#TRPBF

LTC3412EUF#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.



LTC3412EUF#TRPBF Specifications

ManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSeries-FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VCurrent - Output2.5AFrequency - Switching950KHZSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type16-WQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSeries-FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VCurrent - Output5.5VSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Manufacturer Part Number	LTC3412EUF#TRPBF
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-WQFN Exposed PadSeries-FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VSynchronous Rectifier950kHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeIo-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Manufacturer	Linear Technology
Package16-WQFN Exposed PadSeries-FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VSynchronous Rectifier950kHzSynchronous Rectifier40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Category	Integrated Circuits (ICs)
Series-FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5.5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type16-QFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Output (Max)5.5VVoltage - Output (Max)5.VVoltage - Output (Max)5.VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeIn-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Package	16-WQFN Exposed Pad
Output ConfigurationPositiveTopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~85°C (TA)Mounting TypeSurface MountPackage / Case16-QFN (4x4)	Series	-
TopologyBuck, Buck-BoostOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Max)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Function	Step-Down, Step-Up/Step-Down
Output TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Topology	Buck, Buck-Boost
Voltage - Input (Min)2.625VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting Type5urface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Type	Adjustable
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Number of Outputs	1
Voltage - Output (Min/Fixed)0.8VVoltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Input (Min)	2.625V
Voltage - Output (Max)5VCurrent - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Input (Max)	5.5V
Current - Output2.5AFrequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Output (Min/Fixed)	0.8V
Frequency - Switching950kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Output (Max)	5V
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Current - Output	2.5A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Frequency - Switching	950kHz
Mounting TypeSurface MountPackage / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Synchronous Rectifier	Yes
Package / Case16-WQFN Exposed PadSupplier Device Package16-QFN (4x4)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package16-QFN (4x4)	Mounting Type	Surface Mount
	Package / Case	16-WQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN (4x4)
		Report errors?

LTC3412EUF#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.

LTC3412EUF#TRPBF Payment Methods



If you have any question about LTC3412EUF#TRPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com