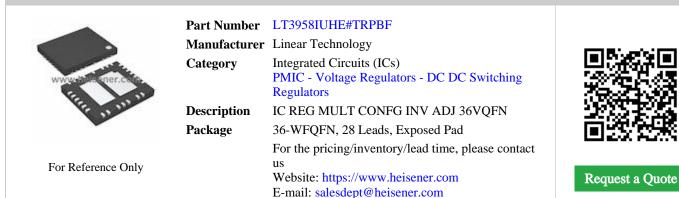


LT3958IUHE#TRPBF

LT3958IUHE#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.



LT3958IUHE#TRPBF Specifications

AnufacturerLinear TechnologyManufacturerLinear TechnologyNamufacturerIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage36-WFQFN, 28 Leads, Exposed PadSeries-FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed Pad		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage36-WFQFN, 28 Leads, Exposed PadSeries-FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativePoologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)3.3A (Switch)Current - Output3.3A (Switch)Synchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Manufacturer Part Number	LT3958IUHE#TRPBF
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage36-WFQFN, 28 Leads, Exposed PadSeries-FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)3.3A (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Manufacturer	Linear Technology
Package36-WFQFN, 28 Leads, Exposed PadSeries-FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)SVVoltage - Input (Min/Fixed)16VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)3.3A (Switch)Current - Output3.3A (Switch)Synchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-QFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Category	Integrated Circuits (ICs)
Series-FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)SVVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Synchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Output (Min/Fixed)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Package	36-WFQFN, 28 Leads, Exposed Pad
Output ConfigurationPositive or NegativeTopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Min/Fixed)3.3A (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Series	-
TopologyBoost, Cuk, Flyback, SEPICOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Function	Step-Up, Step-Up/Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)5VVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Current - Output100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Output Configuration	Positive or Negative
Number of Outputs1Number of Outputs1Voltage - Input (Min)5VVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Topology	Boost, Cuk, Flyback, SEPIC
Voltage - Input (Min)5VVoltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Current - Output100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Output Type	Adjustable
Voltage - Input (Max)80VVoltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Current - Output100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Number of Outputs	1
Voltage - Output (Min/Fixed)1.6VVoltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Voltage - Input (Min)	5V
Voltage - Output (Max)84V (Switch)Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Voltage - Input (Max)	80V
Current - Output3.3A (Switch)Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Voltage - Output (Min/Fixed)	1.6V
Frequency - Switching100kHz ~ 1MHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Voltage - Output (Max)	84V (Switch)
Synchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Current - Output	3.3A (Switch)
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Frequency - Switching	100kHz ~ 1MHz
Mounting TypeSurface MountPackage / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Synchronous Rectifier	No
Package / Case36-WFQFN, 28 Leads, Exposed PadSupplier Device Package36-QFN (5x6)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 36-QFN (5x6)	Mounting Type	Surface Mount
	Package / Case	36-WFQFN, 28 Leads, Exposed Pad
Report errors?	Supplier Device Package	36-QFN (5x6)
		Report errors?

LT3958IUHE#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.

LT3958IUHE#TRPBF Payment Methods



If you have any question about LT3958IUHE#TRPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com