

ISL6540AIRZ

ISL6540AIRZ Information

	Part Number	ISL6540AIRZ	
Channel 1	Manufacturer	Renesas Electronics America	
www.helsener.com	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers	
	Description	IC REG CTRLR BUCK 28QFN	
	Package	28-VFQFN Exposed Pad	回波教授
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com	Request a Quote

E-mail: salesdept@heisener.com

Certified Quality

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ISL6540AIRZ Specifications

Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VPrequency - Switching250 kHz ~ 20 HHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Output Frequency - Super Automation40°C ~ 85°C (TA)Prekage / Case88-VFQFN Exposed Pad	_		
CategoryIntegrated Circuits (ICs)PAIC - Voltage Regulators - DC DC Switching ControllersPackage28-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching506KHz ~ 20HHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Manufacturer Part Number	ISL6540AIRZ	
PMIC - Voltage Regulators - DC DC Switching ControllersPackage28-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Manufacturer	Renesas Electronics America	
Package28-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching200kHz ~ 20HHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features-Output Fackage28-VFQFN Exposed PadSynchrones28-VFQFN Exposed PadSupplier Device Package8-QFN (5x5)	Category	Integrated Circuits (ICs)	
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers	
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)NoSynchronous RectifierYesClock SyncOurent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case82-VFQFN Exposed PadSupplier Device Package82-VFN (Stas)	Package	28-VFQFN Exposed Pad	
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Series	-	
Output ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Output FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Output Type	Transistor Driver	
Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.97 V ~ 22 V Frequency - Switching 250kHz ~ 2MHz Duty Cycle (Max) 100% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Outrent Limit, Enable, Frequency Control, Power Good, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-QFN (5x5)	Function	Step-Down	
Number of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Output Configuration	Positive	
Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.97 V ~ 22 V Frequency - Switching 250kHz ~ 2MHz Duty Cycle (Max) 100% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Current Limit, Enable, Frequency Control, Power Good, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-QFN (5x5)	Topology	Buck	
Voltage - Supply (Vcc/Vdd)2.97 V ~ 22 VFrequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Number of Outputs	1	
Frequency - Switching250kHz ~ 2MHzDuty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Output Phases	1	
Duty Cycle (Max)100%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Voltage - Supply (Vcc/Vdd)	2.97 V ~ 22 V	
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Frequency - Switching	250kHz ~ 2MHz	
Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Duty Cycle (Max)	100%	
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Synchronous Rectifier	Yes	
Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft StartOperating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Clock Sync	No	
Operating Temperature-40°C ~ 85°C (TA)Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Serial Interfaces	-	
Package / Case28-VFQFN Exposed PadSupplier Device Package28-QFN (5x5)	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start	
Supplier Device Package 28-QFN (5x5)	Operating Temperature	-40°C ~ 85°C (TA)	
	Package / Case	28-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	28-QFN (5x5)	
			Report errors?

ISL6540AIRZ 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 EUARANTEE

Service Guarantees

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

ISL6540AIRZ Payment Methods



ISL6540AIRZ Shipping Methods



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