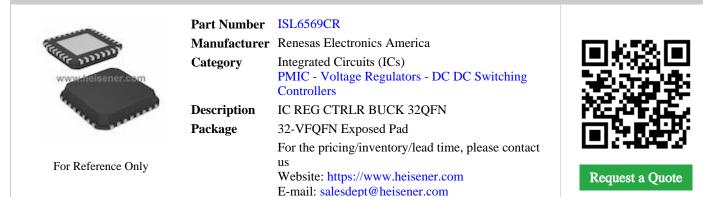


ISL6569CR

ISL6569CR 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.



ISL6569CR Specifications

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Package32-VFQFN Exposed PadPackage32-VFQFN Exposed PadSeries-Output TypePMM SignalOutput ConfigurationStep-DownOutput ConfigurationPositiveTopologyBuckOutput Phases2Output Phases2Output ConfigurationStep-Zo NAOutput Phases2Output Phases30kHz ~ 1MHzOutput Configuration5%Output Configuration-Output Phases-Output Phases-Output Phases-Output Phases-Output Configuration5%Output Configuration-Output Phases-Output Phases- <th></th> <th></th>		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage32-VFQFN Exposed PadSeries-Dutput TypePWM SignalFunctionStep-DownDutput ConfigurationPositivePoologyBuckDutput Phaes2Dutput Phaes2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VPrequency - Switching80kHz ~ 1 MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoControl Features-Control Features2Output Type0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed Pad	Manufacturer Part Number	ISL6569CR
PMIC - Voltage Regulators - DC DC Switching ControllersPackage32-VFQFN Exposed PadSeries-Dutput TypePWM SignalFunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control Features0°C ~ 70°C (TA)Package / Case32-QFN (5x5)	Manufacturer	Renesas Electronics America
Package32-VFQFN Exposed PadSeries-Dutput TypePWM SignalFunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control Features0°C ~ 70°C (TA)Package / Case32-QFN (5x5)	Category	Integrated Circuits (ICs)
Series-Dutput TypePWM SignalFunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyneNoControl FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-QFN (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers
Dutput TypePWM SignalFunctionStep-DownDutput ConfigurationPositiveFopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VPrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)-Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Supplier Device Package32-QFN (5x5)	Package	32-VFQFN Exposed Pad
FunctionStep-DownDutput ConfigurationPositiveTopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-QFN (5x5)	Series	-
Dutput ConfigurationPositiveFopologyBuckNumber of Outputs2Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Output Type	PWM Signal
FopologyBuckNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output Frequency Control Features0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Function	Step-Down
Number of Outputs2Number of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Output Configuration	Positive
Dutput Phases2Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Topology	Buck
Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Number of Outputs	2
Frequency - Switching80kHz ~ 1MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Output Phases	2
Duty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Voltage - Supply (Vcc/Vdd)	4.75 V ~ 5.25 V
Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Frequency - Switching	80kHz ~ 1MHz
Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Duty Cycle (Max)	75%
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Synchronous Rectifier	-
Control FeaturesCurrent Limit, Enable, Frequency Control, Power GoodOperating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Clock Sync	No
Operating Temperature0°C ~ 70°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Serial Interfaces	-
Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Control Features	Current Limit, Enable, Frequency Control, Power Good
Supplier Device Package32-QFN (5x5)	Operating Temperature	0°C ~ 70°C (TA)
	Package / Case	32-VFQFN Exposed Pad
Report errors?	Supplier Device Package	32-QFN (5x5)
1		Report errors?

ISL6569CR 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 GUARANTEE

Service Guarantees

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

ISL6569CR Payment Methods WIRE Rear PayPal WELLER MANAGER IN ALLOW IN ALLO

If you have any question about ISL6569CR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com