



ISL6605CRZ-TK Information



For Reference Only

Part Number ISL6605CRZ-TK

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DVR SYNC BUCK 8QFN

Package 8-VQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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ISL6605CRZ-TK Specifications

Manufacturer Part Number Manufacturer Renesas Electronics America Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Mounting Type Surface Mount Package / Case Supplier Device Package 8-QFN (3x3)		
CategoryIntegrated Circuits (ICs)Package8-VQFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VQFN Exposed PadSupplier Device Package8-QFN (3x3)	Manufacturer Part Number	ISL6605CRZ-TK
Package 8-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Manufacturer	Renesas Electronics America
Package 8-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) 2A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 33V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VQFN Exposed PadSupplier Device Package8-QFN (3x3)		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Sens, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package	Package	8-VQFN Exposed Pad
Channel Type Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Surface Mount Package / Case Supplier Device Package Synchronous Synchronous Synchronous Synchronous Synchronous Synchronous Synchronous As Synchr	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)2A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)33VRise / Fall Time (Typ)8ns, 8nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VQFN Exposed PadSupplier Device Package8-QFN (3x3)	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Surface Mount Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Surface Mount Package / Case Supplier Device Package 1V, 2V 2A, 2A Non-Inverting 8NS, 8NS 00-Inverting Surface Mount 8NS, 8NS Surface Mount 8-VQFN Exposed Pad 8-QFN (3x3)	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package	Voltage - Supply	4.5 V ~ 5.5 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Logic Voltage - VIL, VIH	1V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Current - Peak Output (Source, Sink)	2A, 2A
Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VQFN Exposed PadSupplier Device Package8-QFN (3x3)	High Side Voltage - Max (Bootstrap)	33V
Mounting Type Surface Mount Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Rise / Fall Time (Typ)	8ns, 8ns
Package / Case 8-VQFN Exposed Pad Supplier Device Package 8-QFN (3x3)	Operating Temperature	0°C ~ 125°C (TJ)
Supplier Device Package 8-QFN (3x3)	Mounting Type	Surface Mount
	Package / Case	8-VQFN Exposed Pad
Report errors?	Supplier Device Package	8-QFN (3x3)
report diffus.		Report errors?

ISL6605CRZ-TK Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

ISL6605CRZ-TK Payment Methods



















ISL6605CRZ-TK Shipping Methods













If you have any question about ISL6605CRZ-TK, please do not hesitate to contact us!

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