



ISL6611AIRZ Information



For Reference Only

Part Number ISL6611AIRZ

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC REG CTRLR DOUBLER PWM 16-QFN

Package 16-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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ISL6611AIRZ Specifications

Manufacturer Part Number ISL6611AIRZ Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) PACKage 16-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) -, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 16-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Sns, 8ns Operating Temperature A0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Manufacturer Part Number	ISL6611AIRZ
Package 16-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) -, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Manufacturer	Renesas Electronics America
Package16-VQFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Sns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Package	16-VQFN Exposed Pad
Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) -, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 5.5 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Sunsanger Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 5.5 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Soperating Temperature Operating Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)8ns, 8nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	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 -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-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) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Current - Peak Output (Source, Sink)	-, 4A
Rise / Fall Time (Typ) 8ns, 8ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	High Side Voltage - Max (Bootstrap)	36V
Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Rise / Fall Time (Typ)	8ns, 8ns
Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 16-QFN (4x4)	Mounting Type	Surface Mount
	Package / Case	16-VQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN (4x4)
		Report errors?

ISL6611AIRZ 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.

ISL6611AIRZ Payment Methods



















ISL6611AIRZ Shipping Methods













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