

ISL89161FRTAZ-T

ISL89161FRTAZ-T Information



For Reference Only

Part Number ISL89161FRTAZ-T

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DRIVER 2CH 6A 8TDFN

Package 8-WDFN 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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ISL89161FRTAZ-T Specifications

Manufacturer Part Number ISL8916IFRTAZ-T Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) PACKage 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad SurDer (Sax) Surface Mount Package / Case 8-WDFN Exposed Pad	Manufacturer Part Number	ISL89161FRTAZ-T
Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Manufacturer	Renesas Electronics America
Package8-WDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH1.22V, 2.08VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH1.22V, 2.08VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)		PMIC - Gate Drivers
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Channel Type Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH1.22V, 2.08VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN (3x3)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 1.22V, 2.08V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Voltage - Supply	4.5 V ~ 16 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 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Logic Voltage - VIL, VIH	1.22V, 2.08V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Current - Peak Output (Source, Sink)	6A, 6A
Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Input Type	Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Rise / Fall Time (Typ)	20ns, 20ns
Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-TDFN (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-TDFN (3x3)	Mounting Type	Surface Mount
	Package / Case	8-WDFN Exposed Pad
Report errors?	Supplier Device Package	8-TDFN (3x3)
		Report errors?

ISL89161FRTAZ-T 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.

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ISL89161FRTAZ-T Shipping Methods













If you have any question about ISL89161FRTAZ-T, please do not hesitate to contact us!

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