



ISL89164FBECZ-T Information



For Reference Only

Part Number ISL89164FBECZ-T

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description MOSFET DRIVER 2CH 6A 8SOIC

Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad

For the pricing/inventory/lead time, please contact

us

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ISL89164FBECZ-T Specifications

Manufacturer Part Number Manufacturer Renesas Electronics America Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns		
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PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns	Manufacturer	Renesas Electronics America
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Series - Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns		PMIC - Gate Drivers
Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Low-Side Low-Side Low-Side Independent 2 A. O.	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) 6A, 6A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns	Driven Configuration	Low-Side
Gate Type N-Channel MOSFET Voltage - Supply 7.5 V ~ 16 V Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) N-Channel MOSFET 7.5 V ~ 16 V 1.4 V 1	Channel Type	Independent
Voltage - Supply To Side Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) To Side Voltage - Max (Bootstrap) 20ns, 20ns	Number of Drivers	2
Logic Voltage - VIL, VIH 2.4V, 9.6V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 2.4V, 9.6V Inverting Logic Voltage - Max (Bootstrap) - Cons, 20ns	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 20ns, 20ns	Voltage - Supply	7.5 V ~ 16 V
Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 20ns	Logic Voltage - VIL, VIH	2.4V, 9.6V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) - 20ns, 20ns	Current - Peak Output (Source, Sink)	6A, 6A
Rise / Fall Time (Typ) 20ns, 20ns	Input Type	Inverting
	High Side Voltage - Max (Bootstrap)	-
400G 4050G (FIX)	Rise / Fall Time (Typ)	20ns, 20ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} (13)$	Operating Temperature	-40°C ~ 125°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Supplier Device Package 8-SOIC-EP	Supplier Device Package	8-SOIC-EP
Report errors?		Report errors?

ISL89164FBECZ-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.

ISL89164FBECZ-T Payment Methods



















ISL89164FBECZ-T Shipping Methods













If you have any question about ISL89164FBECZ-T, please do not hesitate to contact us!

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