



ISL6614BCBZ-T Information



For Reference Only

Part Number ISL6614BCBZ-T

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRVR DUAL SYNC BUCK 14-SOIC

Package 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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ISL6614BCBZ-T Specifications

Manufacturer Part Number ISL6614BCBZ-T Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) Package 14-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 1.25A, 2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 36V Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC		
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Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers4Gate TypeN-Channel MOSFETVoltage - Supply7 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)1.25A, 2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)36VRise / Fall Time (Typ)26ns, 18nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC		PMIC - Gate Drivers
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Channel Type Number of Drivers 4 Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH	Series	-
Number of Drivers Gate Type N-Channel MOSFET Voltage - Supply 7 V ~ 13.2 V Logic Voltage - VIL, VIH - 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 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type N-Channel MOSFET 7 V ~ 13.2 V Logic Voltage - VIL, VIH - 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 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Synchronous
Voltage - Supply Logic Voltage - VIL, VIH - 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 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH 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 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	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 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply	7 V ~ 13.2 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 26ns, 18ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1.25A, 2A
Rise / Fall Time (Typ) $26ns, 18ns$ Operating Temperature 0° C ~ 125° C (TJ)Mounting TypeSurface MountPackage / Case 14 -SOIC (0.154° , 3.90 mm Width)Supplier Device Package 14 -SOIC	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	High Side Voltage - Max (Bootstrap)	36V
Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Rise / Fall Time (Typ)	26ns, 18ns
Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Operating Temperature	0°C ~ 125°C (TJ)
Supplier Device Package 14-SOIC	Mounting Type	Surface Mount
11	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	14-SOIC
		Report errors?

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