



### **ISL2111BR4Z Information**



For Reference Only

Part Number ISL2111BR4Z

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MSFT DVR HALF-BRG 100V 8DFN

Package 8-VDFN 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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# **ISL2111BR4Z Specifications**

Manufacturer Part Number         ISL2111BR4Z           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           PACKAGE         8-VDFN Exposed Pad           Series         -           Driven Configuration         Half-Bridge           Channel Type         Independent           Number of Drivers         2           Gate Type         N-Channel MOSFET           Voltage - Supply         8 V ~ 14 V           Logic Voltage - VIL, VIH         1.4V, 2.2V           Current - Peak Output (Source, Sink)         3A, 4A           Input Type         Non-Inverting           High Side Voltage - Max (Bootstrap)         114V           Rise / Fall Time (Typ)         9ns, 7.5ns           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-VDFN Exposed Pad           Supplier Device Package         8-DFN (4x4)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers  Package 8 - VDFN Exposed Pad  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V  Logic Voltage - VIL, VIH 1.4V, 2.2V  Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) High Side Voltage - Max (Bootstrap)  Pisse / Fall Time (Typ) Operating Temperature  Mounting Type Surface Mount Package / Case 8 - VDFN Exposed Pad  Surplier Device Package	Manufacturer Part Number	ISL2111BR4Z
Package 8-VDFN Exposed Pad  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 8 V ~ 14 V  Logic Voltage - VIL, VIH 1.4V, 2.2V  Current - Peak Output (Source, Sink) 3A, 4A  Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 114V  Rise / Fall Time (Typ) 9ns, 7.5ns  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (4x4)	Manufacturer	Renesas Electronics America
Package8-VDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH1.4V, 2.2VCurrent - Peak Output (Source, Sink)3A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)9ns, 7.5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN (4x4)	Category	Integrated Circuits (ICs)
Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 8 V ~ 14 V Logic Voltage - VIL, VIH 1.4V, 2.2V Current - Peak Output (Source, Sink) 3A, 4A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 114V Rise / Fall Time (Typ) 9ns, 7.5ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  8 V ~ 14 V  Logic Voltage - VIL, VIH  1.4V, 2.2V  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  8-VDFN Exposed Pad  Supplier Device Package	Package	8-VDFN Exposed Pad
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Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  8 V ~ 14 V  Logic Voltage - VIL, VIH  1.4V, 2.2V  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  8-VDFN Exposed Pad  Supplier Device Package	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 14 VLogic Voltage - VIL, VIH1.4V, 2.2VCurrent - Peak Output (Source, Sink)3A, 4AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)9ns, 7.5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN (4x4)	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  1.4V, 2.2V  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  8-VDFN 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)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-VDFN Exposed Pad  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  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-VDFN Exposed Pad  Supplier Device Package	Voltage - Supply	8 V ~ 14 V
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  8-VDFN Exposed Pad  Supplier Device Package	Logic Voltage - VIL, VIH	1.4V, 2.2V
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Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-VDFN Exposed Pad  Supplier Device Package  8-DFN (4x4)	High Side Voltage - Max (Bootstrap)	114V
Mounting Type Surface Mount  Package / Case 8-VDFN Exposed Pad  Supplier Device Package 8-DFN (4x4)	Rise / Fall Time (Typ)	9ns, 7.5ns
Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (4x4)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-DFN (4x4)	Mounting Type	Surface Mount
	Package / Case	8-VDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (4x4)
		Report errors?

#### **ISL2111BR4Z 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.

### **ISL2111BR4Z Payment Methods**



















## **ISL2111BR4Z Shipping Methods**













If you have any question about ISL2111BR4Z, please do not hesitate to contact us!

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