



HIP6604BCRZ Information



For Reference Only

Part Number HIP6604BCRZ

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER MOSF SYNC BUCK 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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HIP6604BCRZ Specifications

Manufacturer Part NumberHIP6604BCRZManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Package16-VQFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply10.8 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)15VRise / Fall Time (Typ)20ns, 20nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-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 2 Gate Type N-Channel MOSFET Voltage - Supply 10.8 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 Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Surface Mount Package / Case 16-VQFN Exposed Pad	Manufacturer Part Number	HIP6604BCRZ
Package 16-VQFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 10.8 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) - Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 15V Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Manufacturer	Renesas Electronics America
Package16-VQFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply10.8 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)15 VRise / Fall Time (Typ)20ns, 20nsOperating Temperature0°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 Drivers2Gate TypeN-Channel MOSFETVoltage - Supply10.8 V ~ 13.2 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)15VRise / Fall Time (Typ)20ns, 20nsOperating Temperature0°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 2 Gate Type N-Channel MOSFET Voltage - Supply 10.8 V ~ 13.2 V Logic Voltage - VIL, VIH	Package	16-VQFN Exposed Pad
Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 10.8 V ~ 13.2 V Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) - Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 15V Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature 0°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 10.8 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 16-VQFN Exposed Pad Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type N-Channel MOSFET Voltage - Supply 10.8 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 16-VQFN Exposed Pad 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 16-VQFN 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 O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN 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 O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Voltage - Supply	10.8 V ~ 13.2 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ)20ns, 20nsOperating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case16-VQFN Exposed PadSupplier Device Package16-QFN (4x4)	High Side Voltage - Max (Bootstrap)	15V
Mounting Type Surface Mount Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Rise / Fall Time (Typ)	20ns, 20ns
Package / Case 16-VQFN Exposed Pad Supplier Device Package 16-QFN (4x4)	Operating Temperature	0°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?

HIP6604BCRZ 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.

HIP6604BCRZ Payment Methods

































If you have any question about HIP6604BCRZ, please do not hesitate to contact us!

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