

L6743B Information

Heisener.com

Part Number L6743B

Manufacturer STMicroelectronics

Category

Integrated Circuits (ICs) **PMIC - Gate Drivers**

Description

IC MOSFET DRIVER HI CURR 8VFDFPN

Package

8-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

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L6743B Specifications

| Manufacturer Part NumberL6743BManufacturerSTMicroelectronicsCategoryIntegrated Circuits (ICs)Package8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 12 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, -Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)41VRise / Fall Time (Typ)-Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFN (3x3) | | |
|--|--------------------------------------|---------------------------|
| CategoryIntegrated Circuits (ICs)Package8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 12 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, -Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)41VRise / Fall Time (Typ)-Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFN (3x3) | Manufacturer Part Number | L6743B |
| Package 8-VFDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 12 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 2A, - Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 41V Rise / Fall Time (Typ) - Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package | Manufacturer | STMicroelectronics |
| Package8-VFDFN Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 12 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, -Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)41VRise / Fall Time (Typ)-Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFPN (3x3) | Category | Integrated Circuits (ICs) |
| Series - Configuration Half-Bridge Synchronous Synchronous Pumber of Drivers 2 2 Synchronous Number of Drivers 5 V ~ 12 V Synchronous Synchronous Synchronous Synchronous Pulley Synchronous Synchronous Pulley Synchronous Pulley Synchronous Synchro | | PMIC - Gate Drivers |
| Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 12 V Logic Voltage - VIL, VIH 0.8V, 2V 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 Supplier Device Package 8-VFDFN Exposed Pad | Package | 8-VFDFN Exposed Pad |
| Channel Type Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 12 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 1nput 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 8-VFDFN Exposed Pad Supplier Device Package | Series | - |
| Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 12 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, -Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)41VRise / Fall Time (Typ)-Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFN (3x3) | Driven Configuration | Half-Bridge |
| Gate Type Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V 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 Supplier Device Package N-Channel MOSFET N-Channel MOSFET N-Channel MOSFET No-Case 8-VFDFN Exposed Pad 8-VFDFN (3x3) | Channel Type | Synchronous |
| Voltage - Supply5 V ~ 12 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)2A, -Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)41VRise / Fall Time (Typ)-Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFPN (3x3) | 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 8-VFDFN 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 8-VFDFN Exposed Pad Supplier Device Package | Voltage - Supply | 5 V ~ 12 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 8-VFDFN Exposed Pad Supplier Device Package | Logic Voltage - VIL, VIH | 0.8V, 2V |
| High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-VFDFN (3x3) | Current - Peak Output (Source, Sink) | 2A, - |
| Rise / Fall Time (Typ) Operating Temperature 0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-VFDFPN (3x3) | Input Type | Non-Inverting |
| Operating Temperature0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFPN (3x3) | High Side Voltage - Max (Bootstrap) | 41V |
| Mounting Type Surface Mount Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-VFDFPN (3x3) | Rise / Fall Time (Typ) | - |
| Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-VFDFPN (3x3) | Operating Temperature | 0°C ~ 125°C (TJ) |
| Supplier Device Package 8-VFDFPN (3x3) | Mounting Type | Surface Mount |
| , | Package / Case | 8-VFDFN Exposed Pad |
| | Supplier Device Package | 8-VFDFPN (3x3) |
| Report errors? | | Report errors? |

L6743B 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.

L6743B Payment Methods



















L6743B Shipping Methods













If you have any question about L6743B, please do not hesitate to contact us!

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