

Image may be representation.
See specifications for product details.



L6393DTR

Manufacturer Part Number	L6393DTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-L6393DTR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC GATE DRVR HALF-BRIDGE 14SO
Package	14-SOIC (0.154", 3.90mm Width)
Data sheet	L6393.pdf
RoHs Status	ROHS3 Compliant

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L6393DTR - STMicroelectronics. New Original in Stock. Download Linear Technology L6393DTR datasheet/specifications on AllelcoElec.com.
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Specifications

L6393DTR Tech Specifications

L6393DTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Mounting Type	Surface Mount
Voltage - Supply	10V ~ 20V	Logic Voltage - VIL, VIH	1.1V, 1.9V
Supplier Device Package	14-SO	Input Type	Non-Inverting
Series	-	High Side Voltage - Max (Bootstrap)	600 V
Rise / Fall Time (Typ)	75ns, 35ns	Gate Type	IGBT, N-Channel MOSFET
Package / Case	14-SOIC (0.154", 3.90mm Width)	Driven Configuration	Half-Bridge
Package	Tape & Reel (TR)	Current - Peak Output (Source, Sink)	290mA, 430mA
Operating Temperature	-40°C ~ 125°C (TJ)	Channel Type	Synchronous
Number of Drivers	2	Base Product Number	L6393

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics L6393DTR

Product Attribute				
Part Number	L6393DTR	L6398DTR	L6399DTR	L6395DTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	14-SO	8-SOIC	8-SOIC	8-SOIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Logic Voltage - VIL, VIH	1.1V, 1.9V	1.1V, 1.9V	1.1V, 1.9V	1.1V, 1.9V
Voltage - Supply	10V ~ 20V	10V ~ 20V	10V ~ 20V	10V ~ 20V
Driven Configuration	Half-Bridge	Half-Bridge	Half-Bridge	Half-Bridge
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Type	IGBT, N-Channel MOSFET	IGBT, N-Channel MOSFET	IGBT, N-Channel MOSFET	IGBT, N-Channel MOSFET
Base Product Number	L6393	L6398	L6399	L6395
Channel Type	Synchronous	Independent	Independent	Independent
Number of Drivers	2	2	2	2
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)
Series	-	-	-	-
Current - Peak Output (Source, Sink)	290mA, 430mA	290mA, 430mA	290mA, 430mA	290mA, 430mA
Package / Case	14-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Rise / Fall Time (Typ)	75ns, 35ns	75ns, 35ns	75ns, 35ns	75ns, 35ns
High Side Voltage - Max (Bootstrap)	600 V	600 V	600 V	600 V
Input Type	Non-Inverting	Inverting, Non-Inverting	Non-Inverting	Non-Inverting

L6393DTR Datasheet PDF

Download L6393DTR pdf datasheets and STMicroelectronics documentation for L6393DTR - STMicroelectronics.

PCN Packaging

Mult Dev Inner Pkg Chg 30/Oct/2019.pdf

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

Second Source 05/Nov/2021.pdf



















PCN Design/Specification

Cylindrical Battery Holders.pdf

HTML Datasheet

Customers Also Interested in

Recommended Products

					
L6398DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6399DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6395DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6388ED STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6398D STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6388ED013TR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO
					
L6390D STMicroelectronics IC GATE DRVR HALF-BRIDGE 16SO	L6392DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO	L6395D STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6391DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO	L6393D STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO	L6388D013TR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO
					
L6392D STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO	L6389EDTR STMicroelectronics IC GATE DRVR HALF-BRIDGE HI/LO	L6391D STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO	L6387ED013TR STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO	L6388E STMicroelectronics IC GATE DRVR HALF-BRIDGE 8DIP	L6390DTR STMicroelectronics IC GATE DRVR HALF-BRIDGE 16SO

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.
(Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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