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L6393DTR

ECAD Model

RoHs Status

Manufacturer Part Number L6393DTR

Manufacturer STMicroelectronics

Allelco Part Number 32D-L6393DTR

Parts Description IC GATE DRVR HALF-BRIDGE 14SO

PCB Symbol, Footprint & 3D Mode

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

Data sheet **L6393.pdf**

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

Request a quote for L6393DTR, please send us email: info@allelco.com

ROHS3 Compliant



Image may be representation.

See specifications for product details.

Specifications

L6393DTR Tech Specifications

L6393DTR - STMicroelectronics technical specifications, attributes, parameters

200500 TW OT HE Collection has been realistically attailed to 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	Priville			
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

Customers Also Interested in

Recommended Products









IC GATE DRVR HALF-BRIDGE 8SO





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





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



STMicroelectronics IC GATE DRVR HALF-BRIDGE 14SO

L6391D



L6391DTR

STMicroelectronics

IC GATE DRVR HALF-BRIDGE 14SO

STMicroelectronics IC GATE DRVR HALF-BRIDGE 8SO

L6387ED013TR



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		
America	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Oceania	New Zealand	7		
Asia	India	6		
Asia	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 -



Management





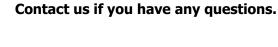
Delivery

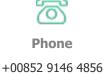




Certifications & Memberships















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