

# **L6208QTR**

ECAD Model

RoHs Status

Manufacturer Part Number L6208QTR

Manufacturer STMicroelectronics

Allelco Part Number 32D-L6208QTR

Parts Description IC MTR DRVR BIPOLAR 8-52V 48QFN

PCB Symbol, Footprint & 3D Mode

ROHS3 Compliant

Package 48-VFQFN Exposed Pad

Data sheet **L6208Q.pdf** 

**Get a Quote** 



Image may be representation.

See specifications for product details.

L6208QTR - STMicroelectronics.New Original in Stock. Download Linear Technology L6208QTR datasheet/specifications on AllelcoElec.com.

Request a quote for L6208QTR, please send us email: info@allelco.com

## Specifications

L6208QTR Tech Specifications

L6208QTR - STMicroelectronics technical specifications, attributes, parameters

20200QTN OTHIC ocidential specimentality attributes, parameters				
Product Attribute	Attribute Value	Product Attribute	Attribute Value	
Manufacturer	STMicroelectronics	Operating Temperature	-25°C ~ 125°C (TJ)	
Voltage - Supply	8V ∼ 52V	Mounting Type	Surface Mount	
Voltage - Load	8V ∼ 52V	Motor Type - Stepper	Bipolar	
Technology	DMOS	Motor Type - AC, DC	-	
Supplier Device Package	48-QFN (7x7)	Interface	Parallel	
Step Resolution	1, 1/2	Function	Driver - Fully Integrated, Control and Power Stage	
Series	STSPIN L62	Current - Output	2.5A	
Package / Case	48-VFQFN Exposed Pad	Base Product Number	L6208	
Package	Tape & Reel (TR)	Applications	General Purpose	
Output Configuration	Half Bridge (4)			

### **Parts with Similar Specifications**

The three parts on the right have similar specifications to STMicroelectronics L6208QTR

Part Number   16767/TM   167705   169807   169705A   1					
Manufacturer         STMcorectorists         Allegio Microsystems         STMcorectorists         STMcorectorists           Interface         Pacalel         Pacalel <td>Product Attribute</td> <td>Elle Individual</td> <td>orrespectation .</td> <td>THE THE PARTY OF T</td> <td>reitritiin.</td>	Product Attribute	Elle Individual	orrespectation .	THE THE PARTY OF T	reitritiin.
Interface         Posalid         Posalid         Posalid         Posalid         Posalid           Motor Type - Stapper         Bipder         Bipder         Bipder         Bipder         Bipder           Step Resolution         1, 1/2         1, 1/2         1, 1/2         1, 1/2         1, 1/2           Technology         DMCS         Pace MoSFET         DMOS         -         Tibe           Package         Tape 8 Red (TIV)         Tabe         Tube         Tibe         Tibe           Current - Output         2.5A         759nA         2.8A         759nA         -           Series         5T59N L62         -         16/19         1	Part Number	L6208QTR	L6219DS	L6208PD	L6219DSA
Motor Type - Stepper   Migolar   M	Manufacturer	STMicroelectronics	Allegro MicroSystems	STMicroelectronics	STMicroelectronics
Step Resolution         1, 1/2 <t< td=""><td>Interface</td><td>Parallel</td><td>Parallel</td><td>Parallel</td><td>Parallel</td></t<>	Interface	Parallel	Parallel	Parallel	Parallel
Technology         DMOS         Power MOSFET         DMOS         -           Package         Tape & Red (TR)         Tube         Tube         Tube           Current - Output         2.5A         750mA         2.8A         750mA         750mA           Series         STSPIN 162         -         STSPIN 162         -         -           Base Product Number         L6208         L6219         L6208         L6219         L6208         L6219           Function         Driver - Fully Integrated, Control and Power Slage         Stage         Driver - Fully Integrated, Control and Power Slage         Cheeral Purpose         Ceneral Purpose<	Motor Type - Stepper	Bipolar	Bipolar	Bipolar	Bipolar
Package         Tape & Red (TR)         Tube         Tube         Tube           Current - Output         2.5A         750mA         2.8A         750mA           Series         STSPIN L62         -         STSPIN L62         -           Base Product Number         L6208         L6219         L6206         L6219           Function         Driver - Fully Integrated, Control and Power Slage         Driver - Fully Integrated, Control and Power Slage <t< td=""><td>Step Resolution</td><td>1, 1/2</td><td>1, 1/2</td><td>1, 1/2</td><td>1, 1/2</td></t<>	Step Resolution	1, 1/2	1, 1/2	1, 1/2	1, 1/2
Current - Output         2.5A         750mA         2.8A         750mA           Series         STSPIN LG2         -         STSPIN LG2         -           Base Product Number         L6208         L6219         L6208         L6219           Function         Driver - Fully Integrated, Control and Power Stage         Stage         Driver - Fully Integrated, Control and Power Stage         Driver - Fully Integrated, Control and Power Stage         Driver - Fully Integrated, Control and Power Stage         Ceneral Purpose	Technology	DMOS	Power MOSFET	DMOS	-
Series         STSPIN L62         -         STSPIN L62         -           Base Product Number         L6208         L6219         L6208         L6219           Function         Driver - Fully Integrated, Control and Power Stage         Driver - Fully Integrated, Control and Power Stage         Driver - Fully Integrated, Control and Power Stage           Applications         General Purpose         General Purpose         General Purpose         General Purpose         General Purpose           Motor Type - AC, DC         -         Brushed DC         -         Brushed DC           Operating Temperature         -25°C ~ 125°C (TJ)         -20°C ~ 150°C (TJ)         -25°C ~ 125°C (TJ)         -40°C ~ 150°C (TJ)           Supplier Device Package         48-VFQFN (7x7)         24-SOIC         Power5O-36         24-SOI           Mounting Type         Surface Mount         Surface Mount         Surface Mount         Surface Mount           Package / Case         48-VFQFN Exposed Pad         24-SOIC (0.295°, 7.50mm Width)         36-8SSDP (0.433°, 11.00mm Width) Exposed Pad         24-SOIC (0.295°, 7.50mm Width)           Voltage - Supply         Bull Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Package	Tape & Reel (TR)	Tube	Tube	Tube
Base Product Number L6208 L6219 L6219 L6219 L6219 L6219 L6208 L6219 L6219 L6219 L6219 L6208 L6219 L6219 L6219 L6208 L6219 L621	Current - Output	2.5A	750mA	2.8A	750mA
Function  Driver - Fully Integrated, Control and Power Stage  General Purpose  General Purpose  General Purpose  General Purpose  General Purpose  Brushed DC  - 25°C ~ 125°C (TI)  - 20°C ~ 150°C (TI)  - 25°C ~ 125°C (TI)  Driver - Fully Integrated, Control and Power Stage  General Purpose  General Purpose  General Purpose  Brushed DC  - 40°C ~ 150°C (TI)  - 40°C ~ 150°C (TI)  Supplier Device Package  AB-QFN (7x7)  24-SOIC  PowerSO-36  Dufface Mount  Surface Mount  Surface Mount  Surface Mount  Surface Mount  Driver - Fully Integrated, Control and Power Stage  General Purpose  General Purp	Series	STSPIN L62	-	STSPIN L62	-
Stage	Base Product Number	L6208	L6219	L6208	L6219
Motor Type - AC, DC         -         Brushed DC         -         Brushed DC           Operating Temperature         -25°C ~ 125°C (TI)         -20°C ~ 150°C (TI)         -25°C ~ 125°C (TJ)         -40°C ~ 150°C (TJ)           Supplier Device Package         48-QFN (7x7)         24-SOIC         PowerSO-36         24-SO           Mounting Type         Surface Mount         Surface Mount         Surface Mount         Surface Mount           Package / Case         48-VFQFN Exposed Pad         24-SOIC (0.295', 7.50mm Width)         36-BSSOP (0.433', 11.00mm Width) Exposed Pad         24-SOIC (0.295'', 7.50mm Width)           Voltage - Supply         8V ~ 52V         4.75V ~ 5.25V         8V ~ 52V         4.75V ~ 5.25V           Output Configuration         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Function				
Operating Temperature         -25°C ~ 125°C (TJ)         -20°C ~ 150°C (TJ)         -25°C ~ 125°C (TJ)         -40°C ~ 150°C (TJ)           Supplier Device Package         48-QFN (7x7)         24-SOIC         PowerSO-36         24-SO           Mounting Type         Surface Mount         Surface Mount         Surface Mount         Surface Mount           Package / Case         48-VFQFN Exposed Pad         24-SOIC (0.295', 7.50mm Width)         36-BSSOP (0.433', 11.00mm Width) Exposed Pad         24-SOIC (0.295'', 7.50mm Width)           Voltage - Supply         8V ~ 52V         4.75V ~ 5.25V         8V ~ 52V         4.75V ~ 5.25V           Output Configuration         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Applications	General Purpose	General Purpose	General Purpose	General Purpose
Supplier Device Package         48-QFN (7x7)         24-SOIC         PowerSO-36         24-SO           Mounting Type         Surface Mount         Surface Mount         Surface Mount         Surface Mount           Package / Case         48-VFQFN Exposed Pad         24-SOIC (0.295', 7.50mm Width)         36-BSSOP (0.433', 11.00mm Width) Exposed Pad         24-SOIC (0.295'', 7.50mm Width)           Voltage - Supply         8V ~ 52V         4.75V ~ 5.25V         8V ~ 52V         4.75V ~ 5.25V           Output Configuration         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Motor Type - AC, DC	-	Brushed DC	-	Brushed DC
Mounting TypeSurface MountSurface MountSurface MountPackage / Case48-VFQFN Exposed Pad24-SOIC (0.295', 7.50mm Width)36-BSSOP (0.433', 11.00mm Width) Exposed Pad24-SOIC (0.295'', 7.50mm Width)Voltage - Supply8V ~ 52V4.75V ~ 5.25V8V ~ 52V4.75V ~ 5.25VOutput ConfigurationHalf Bridge (4)Half Bridge (4)Half Bridge (4)	Operating Temperature	-25°C ~ 125°C (TJ)	-20°C ~ 150°C (TJ)	-25°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)
Package / Case         48-VFQFN Exposed Pad         24-SOIC (0.295', 7.50mm Width)         36-BSSOP (0.433', 11.00mm Width) Exposed Pad         24-SOIC (0.295", 7.50mm Width)           Voltage - Supply         8V ~ 52V         4.75V ~ 5.25V         8V ~ 52V         4.75V ~ 5.25V           Output Configuration         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Supplier Device Package	48-QFN (7x7)	24-SOIC	PowerSO-36	24-SO
Voltage - Supply         8V ~ 52V         4.75V ~ 5.25V         8V ~ 52V         4.75V ~ 5.25V           Output Configuration         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)         Half Bridge (4)	Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Configuration Half Bridge (4) Half Bridge (4) Half Bridge (4) Half Bridge (4)	Package / Case	48-VFQFN Exposed Pad	24-SOIC (0.295', 7.50mm Width)	36-BSSOP (0.433', 11.00mm Width) Exposed Pad	24-SOIC (0.295", 7.50mm Width)
	Voltage - Supply	8V ~ 52V	4.75V ~ 5.25V	8V ~ 52V	4.75V ~ 5.25V
<b>Voltage - Load</b> 8V ~ 52V 10V ~ 45V 8V ~ 52V	Output Configuration	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)	Half Bridge (4)
	Voltage - Load	8V ~ 52V	10V ~ 45V	8V ~ 52V	10V ~ 46V

## L6208QTR Datasheet PDF

Download L6208QTR pdf datasheets and STMicroelectronics documentation for L6208QTR - STMicroelectronics.

## PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf



CRP/14/8400 20/Mar/2014.pdf

### HTML Datasheet



L6208Q.pdf

#### **Recommended Products**



L6207Q

STMicroelectronics
IC HALF BRIDGE DRV 2.5A
48VFQFPN



L6207PD

STMicroelectronics
IC HALF BRIDG DRV 2.8A
36POWERSO



L6219DS

Allegro MicroSystems
IC MOTOR DRIVER BIPOLAR 24SOIC



L6208PD

STMicroelectronics
IC MTR DRV BIPOLAR 8-52V
36PWRSO



L6219 REV5.1

STM



**L6219DSA** 

STMicroelectronics
IC MTR DRV BIPLR 4.75-5.25V 24SO





STMicroelectronics

IC HALF BRIDG DRV 2.8A
36POWERSO



L6208N-1LF

STMicroelectronics



L6219DS013T

STMicroelectronics



**L6219D**Allegro MicroSystems



L6208N

STMicroelectronics
IC MTR DRVR BIPLR 8-52V
24PWRDIP



L6219DS013TR
STMicroelectronics



L6219DS-5B

STMicroelectronics



L6208PD013TR

STMicroelectronics
IC MTR DRV BIPOLAR 8-52V
36PWRSO



L6208Q

STMicroelectronics
IC MTR DRVR BIPOLAR 8-52V 48QFN



L6208D013TR

STMicroelectronics

IC MTR DRVR BIPOLAR 8V-52V 24SO



#### L6208D

STMicroelectronics
IC MTR DRVR BIPOLAR 8V-52V 24SO

### 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		
Лош	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 Cost-Saving
Management Procurement



Fast Sourcing & Delivery





**Phone** +00852 9146 4856



## Certifications & Memberships













View More



Copyright © 2012-2023 AllelcoElec.com. All rights reserved.

Contact us

**Address:** Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong **Phone:** +00852 9146 4856

Phone: +00852 9146 485 Fax: +00852 3010 8510 Email: info@Allelco.com