



Image may be representation.  
See specifications for product details.



## TC4428EOA

Manufacturer Part Number	<b>TC4428EOA</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-TC4428EOA
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC GATE DRVR LOW-SIDE 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>TC442(6, 7, 8).pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

TC4428EOA - Microchip Technology.New Original in Stock. Download Linear Technology TC4428EOA datasheet/specifications on AllelcoElec.com.  
Request a quote for TC4428EOA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TC4428EOA Tech Specifications

TC4428EOA - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Mounting Type	Surface Mount
Voltage - Supply	4.5V ~ 18V	Logic Voltage - VIL, VIH	0.8V, 2.4V
Supplier Device Package	8-SOIC	Input Type	Inverting, Non-Inverting
Series	-	Gate Type	N-Channel, P-Channel MOSFET
Rise / Fall Time (Typ)	19ns, 19ns	Driven Configuration	Low-Side
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Package	Tube	Channel Type	Independent
Operating Temperature	-40°C ~ 85°C (TA)	Base Product Number	TC4428
Number of Drivers	2		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology TC4428EOA

Product Attribute				
Part Number	TC4428EOA	TC4428AEUA	TC4428AMJA	TC4428AEOA
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Input Type	Inverting, Non-Inverting	Inverting, Non-Inverting	Inverting, Non-Inverting	Inverting, Non-Inverting
Package	Tube	Tube	Tube	Tube
Gate Type	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)	1.5A, 1.5A	1.5A, 1.5A	1.5A, 1.5A	1.5A, 1.5A
Number of Drivers	2	2	2	2
Logic Voltage - VIL, VIH	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V
Series	-	-	-	-
Supplier Device Package	8-SOIC	8-MSOP	8-CERDIP	8-SOIC
Base Product Number	TC4428	TC4428	TC4428	TC4428
Voltage - Supply	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V
Channel Type	Independent	Independent	Independent	Independent
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-55°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-CDIP (0.300", 7.62mm)	8-SOIC (0.154", 3.90mm Width)
Rise / Fall Time (Typ)	19ns, 19ns	25ns, 25ns	25ns, 25ns	25ns, 25ns
Driven Configuration	Low-Side	Low-Side	Low-Side	Low-Side
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount

### TC4428EOA Datasheet PDF

Download TC4428EOA pdf datasheets and Microchip Technology documentation for TC4428EOA - Microchip Technology.

#### Datasheets

[TC442\(6, 7, 8\).pdf](#)

#### PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

#### PCN Design/Specification

[Die Epoxy Material Chg 6/Jun/2016.pdf](#)

#### PCN Assembly/Origin

[Manufacturing Change 09/Feb/2021.pdf](#)

## Customers Also Interested in

### Recommended Products



**TC4428AEUA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8MSOP



**TC4428AMJA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8CERDIP



**TC4428AEOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4428AEOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4428VPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC4428VOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4428EPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC4428AEPJA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC4428AVUA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8MSOP



**TC4429CAT**

Microchip Technology  
IC GATE DRVR LOW-SIDE TO220-5



**TC4428AVPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC4428EOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4428COA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4428COA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC4429EMF**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DFN



**TC4429CPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC4428MJA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8CERDIP



**TC4428CPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP

## 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

Contact us if you have any questions.



Phone

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Email

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### Certifications & Memberships



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