



Image may be representation.
See specifications for product details.



TC4422ESM

Manufacturer Part Number	TC4422ESM
Manufacturer	Microchip Technology
Allelco Part Number	32D-TC4422ESM
ECAD Model	Request Free CAD Models
Parts Description	IC GATE DRVR LOW-SIDE 8SOIJ
Package	8-SOIC (0.209', 5.30mm Width)
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

TC4422ESM - Microchip Technology.New Original in Stock. Download Linear Technology TC4422ESM datasheet/specifications on AllelcoElec.com.
Request a quote for TC4422ESM, please send us email: info@allelco.com

Specifications

TC4422ESM Tech Specifications

TC4422ESM - 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-SOIJ	Input Type	Non-Inverting
Series	-	Gate Type	IGBT, N-Channel, P-Channel MOSFET
Rise / Fall Time (Typ)	60ns, 60ns	Driven Configuration	Low-Side
Package / Case	8-SOIC (0.209', 5.30mm Width)	Current - Peak Output (Source, Sink)	9A, 9A
Package	Tube	Channel Type	Single
Operating Temperature	-40°C ~ 150°C (TJ)	Base Product Number	TC4422
Number of Drivers	1		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology TC4422ESM

Product Attribute				
Part Number	TC4422ESM	TC4422VAT	TC4422CAT	TC4422AVOA713
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Logic Voltage - VIL, VIH	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V
Driven Configuration	Low-Side	Low-Side	Low-Side	Low-Side
Number of Drivers	1	1	1	1
Package	Tube	Tube	Tube	Tape & Reel (TR)
Package / Case	8-SOIC (0.209', 5.30mm Width)	TO-220-5	TO-220-5	8-SOIC (0.154", 3.90mm Width)
Rise / Fall Time (Typ)	60ns, 60ns	60ns, 60ns	60ns, 60ns	38ns, 33ns
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	0°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Channel Type	Single	Single	Single	Single
Voltage - Supply	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V
Gate Type	IGBT, N-Channel, P-Channel MOSFET	IGBT, N-Channel, P-Channel MOSFET	IGBT, N-Channel, P-Channel MOSFET	IGBT, N-Channel, P-Channel MOSFET
Mounting Type	Surface Mount	Through Hole	Through Hole	Surface Mount
Series	-	-	-	-
Current - Peak Output (Source, Sink)	9A, 9A	9A, 9A	9A, 9A	10A, 10A
Base Product Number	TC4422	TC4422	TC4422	TC4422
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Supplier Device Package	8-SOIJ	TO-220-5	TO-220-5	8-SOIC

TC4422ESM Datasheet PDF

Download TC4422ESM pdf datasheets and Microchip Technology documentation for TC4422ESM - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

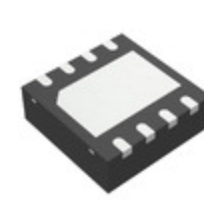
PCN Packaging

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

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

Customers Also Interested in

Recommended Products



TC4422VAT Microchip Technology IC GATE DRVR LOW-SIDE TO220-5	TC4422CAT Microchip Technology IC GATE DRVR LOW-SIDE TO220-5	TC4422EAT MICROCHI	TC4422AVOA713 Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	TC4422AVMF713 Microchip Technology IC GATE DRVR LOW-SIDE 8DFN	TC4423AVPA Microchip Technology IC GATE DRVR LOW-SIDE 8DIP
TC4422CSM MIC	TC4422EPA Microchip Technology IC GATE DRVR LOW-SIDE 8DIP	TC4423AVOA713 Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	TC4422VPA Microchip Technology IC GATE DRVR LOW-SIDE 8DIP	TC4423COE713 Microchip Technology IC GATE DRVR LOW-SIDE 16SOIC	TC4423CPA Microchip Technology IC GATE DRVR LOW-SIDE 8DIP
TC4423AVOE713 Microchip Technology IC GATE DRVR LOW-SIDE 16SOIC	TC4422AVOA Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	TC4422AVPA Microchip Technology IC GATE DRVR LOW-SIDE 8DIP	TC4423AVMF713 Microchip Technology IC GATE DRVR LOW-SIDE 8DFN	TC4423AVOA Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	TC4422CPA 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.

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Certifications & Memberships



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