



Image may be representation.
See specifications for product details.



MIC4416YM4-TR

Manufacturer Part Number	MIC4416YM4-TR
Manufacturer	Microchip Technology
Allelco Part Number	32D-MIC4416YM4-TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC GATE DRVR LOW-SIDE SOT143
Package	TO-253-4, TO-253AA
Data sheet	MIC4416, MIC4417.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MIC4416YM4-TR - Microchip Technology. New Original in Stock. Download Linear Technology MIC4416YM4-TR datasheet/specifications on AllelcoElec.com. Request a quote for MIC4416YM4-TR, please send us email: info@allelco.com

Specifications

MIC4416YM4-TR Tech Specifications
MIC4416YM4-TR - 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	SOT-143	Input Type	Non-Inverting
Series	IttyBitty®	Gate Type	N-Channel MOSFET
Rise / Fall Time (Typ)	14ns, 16ns	Driven Configuration	Low-Side
Package / Case	TO-253-4, TO-253AA	Current - Peak Output (Source, Sink)	1.2A, 1.2A
Package	Tape & Reel (TR)	Channel Type	Single
Operating Temperature	-40°C ~ 150°C (TJ)	Base Product Number	MIC4416
Number of Drivers	1		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC4416YM4-TR

Product Attribute				
Part Number	MIC4416YM4-TR	MIC4414YFT-TR	MIC4420BM	MIC4417YM4-TR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of Drivers	1	1	1	1
Base Product Number	MIC4416	MIC4414	MIC4420	MIC4417
Gate Type	N-Channel MOSFET	N-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel MOSFET
Package / Case	TO-253-4, TO-253AA	4-UQFN	8-SOIC (0.154", 3.90mm Width)	TO-253-4, TO-253AA
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Inverting
Channel Type	Single	Single	Single	Single
Driven Configuration	Low-Side	Low-Side	Low-Side	Low-Side
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Logic Voltage - VIL, VIH	0.8V, 2.4V	0.8V, 3V	0.8V, 2.4V	0.8V, 2.4V
Voltage - Supply	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V	4.5V ~ 18V
Rise / Fall Time (Typ)	14ns, 16ns	12ns, 12ns	12ns, 13ns	14ns, 16ns
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Supplier Device Package	SOT-143	4-TQFN (1.2x1.2)	8-SOIC	SOT-143
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Peak Output (Source, Sink)	1.2A, 1.2A	1.5A, 1.5A	6A, 6A	1.2A, 1.2A
Series	IttyBitty®	-	-	IttyBitty®

MIC4416YM4-TR Datasheet PDF

Download MIC4416YM4-TR pdf datasheets and Microchip Technology documentation for MIC4416YM4-TR - Microchip Technology.

Datasheets

MIC4416, MIC4417.pdf

PCN Packaging

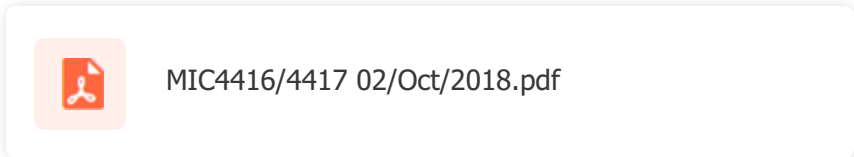
Packing Changes 10/Oct/2016.pdf

PCN Part Number

Micrel to Microchip PN Changes 7/Oct/2015.pdf

PCN Assembly/Origin

Fab site Add 3/Mar/2016.pdf



Customers Also Interested in

Recommended Products

MIC4417BM4 Micrel / Microchip Technology	MIC4416BM4/TR MIC	MIC4417YM4 Micrel / Microchip Technology	MIC427CN MIC	MIC4417YM4/TR Micrel / Microchip Technology	MIC4416BM4TR Micronas / TDK
MIC4414YFT-TR Microchip Technology IC GATE DRVR LOW-SIDE 4TQFN	MIC4420BM Microchip Technology IC GATE DRVR LOW-SIDE 8SOTC	MIC42C27W-22G Micrel / Microchip Technology	MIC4416YM4 Micrel / Microchip Technology	MIC43500242-1 Micrel / Microchip Technology	MIC4416YM4/TR Micrel / Microchip Technology
MIC4416YM4TR Micrel / Microchip Technology	MIC427BM Micrel / Microchip Technology	MIC4417YM4-TR Microchip Technology IC GATE DRVR LOW-SIDE SOT143	MIC4416BM4 Micrel / Microchip Technology	MIC428BN MIC	MIC4417BM4/TR Micrel / Microchip Technology

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.

<p>Payment Support</p> <p>The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.</p>	<p>Your Faithful Supply Chain Partner -</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Efficient Supply Management</div> <div style="text-align: center;"> Cost-Saving Procurement</div> <div style="text-align: center;"> Fast Sourcing & Delivery</div> </div> <p>Contact us if you have any questions.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Phone +00852 9146 4856</div> <div style="text-align: center;"> Email info@allelco.com</div> </div>	<p>Certifications & Memberships</p> <div style="display: flex; justify-content: space-around;"> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> <p style="text-align: right;">View More</p>
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