

Image may be representation.  
See specifications for product details.



## TC1412NEOA

Manufacturer Part Number	<b>TC1412NEOA</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-TC1412NEOA
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>Analog and Interface Product Guide.pdf</b>
	<b>TC1412(N).pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

TC1412NEOA - Microchip Technology. New Original in Stock. Download Linear Technology TC1412NEOA datasheet/specifications on AllelcoElec.com.  
Request a quote for TC1412NEOA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TC1412NEOA Tech Specifications

TC1412NEOA - 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 ~ 16V	Logic Voltage - VIL, VIH	0.8V, 2V
Supplier Device Package	8-SOIC	Input Type	Non-Inverting
Series	-	Gate Type	N-Channel, P-Channel MOSFET
Rise / Fall Time (Typ)	18ns, 18ns	Driven Configuration	Low-Side
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	2A, 2A
Package	Tube	Channel Type	Single
Operating Temperature	-40°C ~ 150°C (TJ)	Base Product Number	TC1412
Number of Drivers	1		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology TC1412NEOA

Product Attribute				
Part Number	TC1412NEOA	TC1413EPA	TC1413EOA	TC1413EUA
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Logic Voltage - VIL, VIH	0.8V, 2V	0.8V, 2V	0.8V, 2V	0.8V, 2V
Current - Peak Output (Source, Sink)	2A, 2A	3A, 3A	3A, 3A	3A, 3A
Package	Tube	Tube	Tube	Tube
Supplier Device Package	8-SOIC	8-PDIP	8-SOIC	8-MSOP
Channel Type	Single	Single	Single	Single
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Rise / Fall Time (Typ)	18ns, 18ns	20ns, 20ns	20ns, 20ns	20ns, 20ns
Driven Configuration	Low-Side	Low-Side	Low-Side	Low-Side
Base Product Number	TC1412	TC1413	TC1413	TC1413
Number of Drivers	1	1	1	1
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-DIP (0.300", 7.62mm)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Gate Type	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET
Input Type	Non-Inverting	Inverting	Inverting	Inverting
Voltage - Supply	4.5V ~ 16V	4.5V ~ 16V	4.5V ~ 16V	4.5V ~ 16V
Series	-	-	-	-

### TC1412NEOA Datasheet PDF

Download TC1412NEOA pdf datasheets and Microchip Technology documentation for TC1412NEOA - Microchip Technology.

#### Datasheets

[Analog and Interface Product Guide.pdf](#)

#### PCN Packaging

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

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


#### Other Related Documents

[Cylindrical Battery Holders.pdf](#)

#### PCN Design/Specification

[Die Attach Epoxy Update 21/Sep/2015.pdf](#)

[PdCu Bond Wire Update 21/Sep/2015.pdf](#)

 2.73KHz.pdf

HTML Datasheet

 TC1412(N).pdf

**Customers Also Interested in**

**Recommended Products**



**TC1413EPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1413EOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1413EUA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8MSOP



**TC1413NCPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1411NVOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1412NEOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



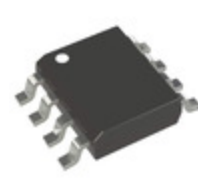
**TC1411NEOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1412CPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1412COA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1412EOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1412NEPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1412NCPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1411NVOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1411NVPA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8DIP



**TC1413NCOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1412NCOA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1413COA**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC



**TC1413NCOA713**

Microchip Technology  
IC GATE DRVR LOW-SIDE 8SOIC

**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  
+00852 9146 4856
-  Email  
info@allelco.com

**Certifications & Memberships**



[View More](#)

