

Image may be representation.
See specifications for product details.



AT42QT1244-MU

Manufacturer Part Number	AT42QT1244-MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT42QT1244-MU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC TOUCH SENSOR 24KEY 32QFN
Package	32-VFQFN Exposed Pad
Data sheet	AT42QT1244 Preliminary Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT42QT1244-MU - Microchip Technology. New Original in Stock. Download Linear Technology AT42QT1244-MU datasheet/specifications on AllelcoElec.com. Request a quote for AT42QT1244-MU, please send us email: info@allelco.com

Specifications

AT42QT1244-MU Tech Specifications
AT42QT1244-MU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply	3V ~ 5V	Operating Temperature	-40°C ~ 105°C
Type	Buttons	Number of Inputs	Up to 24
Supplier Device Package	32-VQFN (5x5)	Mounting Type	Surface Mount
Series	QMatrix™	LED Driver Channels	-
Resolution	10 b	Interface	I²C
Proximity Detection	No	Current - Supply	6.6mA
Package / Case	32-VFQFN Exposed Pad	Base Product Number	AT42QT1244

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT42QT1244-MU

Product Attribute				
Part Number	AT42QT1244-MU	AT42QT1111-AU	AT42QT1110-AZ	AT42QT1110-MUR
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Resolution	10 b	-	-	10 b
Current - Supply	6.6mA	12mA	12mA	10mA
Package	Tray	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Base Product Number	AT42QT1244	AT42QT1111	-	AT42QT1110
Proximity Detection	No	No	No	No
Interface	I²C	SPI	SPI	SPI
Voltage - Supply	3V ~ 5V	1.8V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Number of Inputs	Up to 24	Up to 11	Up to 11	Up to 11
LED Driver Channels	-	Up to 7	Up to 7	-
Operating Temperature	-40°C ~ 105°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package / Case	32-VFQFN Exposed Pad	32-TQFP	32-TQFP	32-VFQFN Exposed Pad
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	QMatrix™	QTouch™	QTouch™	QTouch™
Type	Buttons	Buttons	Buttons	Buttons
Supplier Device Package	32-VQFN (5x5)	32-TQFP (7x7)	32-TQFP (7x7)	32-VQFN (5x5)

AT42QT1244-MU Datasheet PDF

Download AT42QT1244-MU pdf datasheets and Microchip Technology documentation for AT42QT1244-MU - Microchip Technology.

Datasheets

[AT42QT1244 Preliminary Datasheet.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

PCN Design/Specification

[Marking Chgs 11/Jul/2017.pdf](#)

[Copper Bonding Wire 19/Jul/2013.pdf](#)

PCN Other



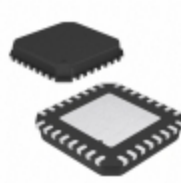

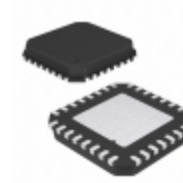


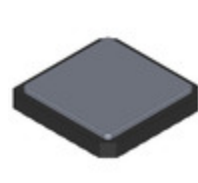
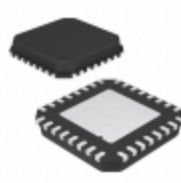
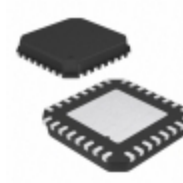




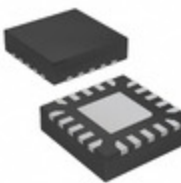
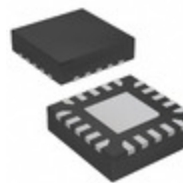


[MSL Update 26/Feb/2014.pdf](#)

PCN Assembly/Origin

[Mult Devices Assembly 13/Mar/2018.pdf](#)

Customers Also Interested in

Recommended Products

					
AT42QT1111-AU Microchip Technology IC TOUCH SENSOR 11KEY 32TQFP	AT42QT1110-AZ Atmel 11-KEY QTOUCH TOUCH SENSOR IC	AT42QT1110-MUR Microchip Technology QTOUCH 11 KEY TOUCH SENSOR IC	AT42QT1481-AUR Microchip Technology IC TOUCH SENSOR 48KEY 44TQFP	AT42QT1110-MZ Microchip Technology IC TOUCH SENSOR 11KEY 32QFN	AT42QT11C17-MU Atmel AT42QT11C17-MU
					
AT42QT1110-AZ45 Atmel (Microchip Technology)	AT42QT1110-MZ Atmel 11-KEY QTOUCH TOUCH SENSOR IC	AT42QT2100-MUR Microchip Technology IC TOUCH SENSOR 7KEY 32QFN	AT42QT1245-MU Microchip Technology IC TOUCH SENSOR 24KEY 32QFN	AT42QT20C07-MMU Atmel (Microchip Technology)	AT42QT1110-AU Atmel (Microchip Technology)
					
AT42QT1110-MU Atmel 11-KEY QTOUCH TOUCH SENSOR IC	AT42QT1245-AU Microchip Technology IC TOUCH SENSOR 24KEY 32TQFP	AT42QT2120-MMH Microchip Technology IC TOUCH SENSOR 12CH 20VQFN	AT42QT2120-MMHR Microchip Technology IC TOUCH SENSOR 12CH 20VQFN	AT42QT1110-AZ Microchip Technology IC TOUCH SENSOR 11KEY 32TQFP	AT42QT16C06-MU Atmel AT42QT16C06-MU

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

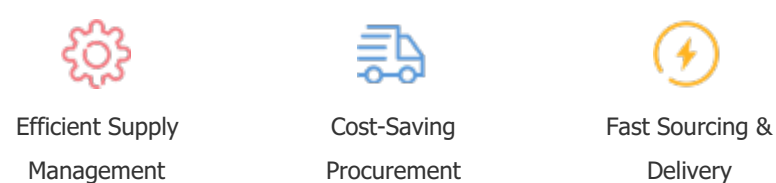
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

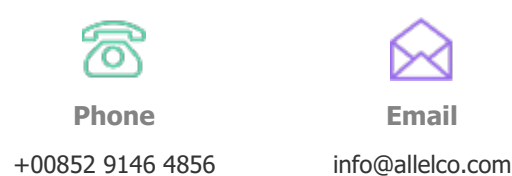
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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