

Image may be representation.  
See specifications for product details.



## MPR031EPR2

Manufacturer Part Number	<b>MPR031EPR2</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MPR031EPR2
ECAD Model	Request Free CAD Models
Parts Description	IC CTRL TOUCH SENSOR 8-DFN
Package	8-UFDNF
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MPR031EPR2 - NXP USA Inc..New Original in Stock. Download Linear Technology MPR031EPR2 datasheet/specifications on AllelcoElec.com.  
Request a quote for MPR031EPR2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MPR031EPR2 Tech Specifications

MPR031EPR2 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Package	Tape & Reel (TR)
Voltage - Supply	1.71V ~ 2.75V	Operating Temperature	-40°C ~ 85°C
Type	Buttons	Number of Inputs	Up to 3
Supplier Device Package	8-USON (2x2)	Mounting Type	Surface Mount
Series	-	LED Driver Channels	-
Resolution	-	Interface	I <sup>2</sup> C
Proximity Detection	Yes	Current - Supply	43µA
Package / Case	8-UFDNF	Base Product Number	MPR03

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPR031EPR2

Product Attribute				
Part Number	MPR031EPR2	MPR083Q	MPR083EJ	FDC2114RGHR
Manufacturer	NXP USA Inc.	Freescale Semiconductor	Freescale Semiconductor	Texas Instruments
Series	-	-	-	-
Base Product Number	MPR03	-	MPR08	FDC2114
Supplier Device Package	8-USON (2x2)	16-QFN-EP (5x5)	16-TSSOP	16-WQFN (4x4)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Inputs	Up to 3	8	8	4
Current - Supply	43µA	41µA	1.62mA	2.1mA
Resolution	-	-	-	12 b
Proximity Detection	Yes	Yes	Yes	Yes
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Package / Case	8-UFDNF	16-VQFN Exposed Pad	16-TSSOP (0.173", 4.40mm Width)	16-WQFN Exposed Pad
LED Driver Channels	-	-	-	-
Voltage - Supply	1.71V ~ 2.75V	1.8V ~ 3.6V	1.8V ~ 3.6V	2.7V ~ 3.6V
Interface	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C
Type	Buttons	Buttons, Slider, Wheel	Buttons, Slider, Wheel	Proximity Only
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 125°C

### MPR031EPR2 Datasheet PDF

Download MPR031EPR2 pdf datasheets and NXP USA Inc. documentation for MPR031EPR2 - NXP USA Inc..

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging

[2.73KHz.pdf](#)

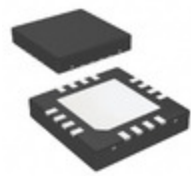
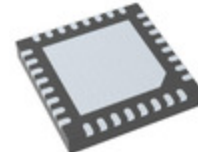
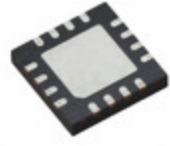
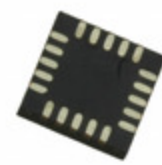
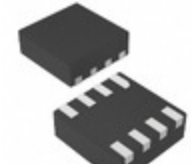
#### Environmental Information

[NXP USA Inc REACH.pdf](#)

[NXP USA Inc RoHS Cert.pdf](#)

### Customers Also Interested in

#### Recommended Products

**MPR083Q**Freescale Semiconductor  
CAPACITIVE SENSOR, SQUARE,  
SURFA**MPR083EJ**Freescale Semiconductor  
CAPACITIVE SENSOR, SQUARE,  
SURFA**FDC2114RGHR**Texas Instruments  
IC CAPACITIVE SENSING**QT60160-ISG**Microchip Technology  
IC TOUCH SENSOR 16KEY 32-QFN**MPR084EJR2**Freescale Semiconductor  
CONSUMER CIRCUIT, PDS016**MPR083Q**NXP USA Inc.  
IC CTRL TOUCH SENSOR PROX 16-  
QFN**MPR084EJR2**NXP USA Inc.  
IC CTRL TOUCH SENSR PROX  
16TSSOP**MPR084Q**NXP USA Inc.  
IC CTRL TOUCH SENSOR PROX 16-  
QFN**MPR083EJ**NXP USA Inc.  
CAPACITIVE SENSOR**MPR121QR2**NXP USA Inc.  
IC CTRL TOUCH SENSOR 20-QFN**ATMXT336S-MAUR**Microchip Technology  
IC SENSOR MAXTOUCH 336CH**MPR084EJ**Freescale Semiconductor  
CAPACITIVE SENSOR, SQUARE,  
SURFA**MPR084EJ**NXP USA Inc.  
IC CTRL TOUCH SENSR PROX  
16TSSOP**MPRLS0015PA0000SA**Honeywell Sensing and  
Productivity Solutions  
SENSOR 15PSIA 0.1" 24BIT**MPR032EPR2**NXP USA Inc.  
IC CTRL TOUCH SENSOR 8-DFN**CAP1214-1-EZK-TR**Microchip Technology  
IC TOUCH SENSOR/LED DRVR  
32VQFN**MPR084Q**Freescale Semiconductor  
MPR084 -8-PAD TOUCH SENSOR  
CONTR**ATMXT154-CUR**Microchip Technology  
IC SENSOR MAXTOUCH

## 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 -



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Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



Phone  
+00852 9146 4856



Email  
info@allelco.com

## Certifications & Memberships



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