

Image may be representation.  
See specifications for product details.



## ATA6836C-PXQW-1

Manufacturer Part Number	<b>ATA6836C-PXQW-1</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATA6836C-PXQW-1
ECAD Model	Request Free CAD Models
Parts Description	IC HALF BRIDGE DRVR 650MA 24VQFN
Package	24-VQFN Exposed Pad
Data sheet	<b>ATA6836C.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATA6836C-PXQW-1 - Microchip Technology. New Original in Stock. Download Linear Technology ATA6836C-PXQW-1 datasheet/specifications on AllelcoElec.com. Request a quote for ATA6836C-PXQW-1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATA6836C-PXQW-1 Tech Specifications  
ATA6836C-PXQW-1 - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	4.75V ~ 5.25V	Mounting Type	Surface Mount
Voltage - Load	5.5V ~ 40V	Load Type	Inductive, Capacitive, Resistive
Technology	Power MOSFET	Interface	SPI
Supplier Device Package	24-VQFN (5x5)	Features	Status Flag
Series	-	Fault Protection	Open Load Detect, Over Temperature, Short Circuit, UVLO
Rds On (Typ)	10hm LS, 10hm HS	Current - Peak Output	-
Package / Case	24-VQFN Exposed Pad	Current - Output / Channel	650mA
Package	Tape & Reel (TR)	Base Product Number	ATA6836
Output Configuration	Half Bridge (6)	Applications	Bulbs, DC Motors, Resistors

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATA6836C-PXQW-1

Product Attribute				
Part Number	ATA6836C-PXQW-1	<b>ATA6836C-TIQW</b>	<b>ATA6831C-PIQW</b>	<b>ATA6836C-PXQW</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Applications	Bulbs, DC Motors, Resistors	Bulbs, DC Motors, Resistors	Bulbs, DC Motors, Resistors	Bulbs, DC Motors, Resistors
Package / Case	24-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	18-VQFN Exposed Pad	24-VQFN Exposed Pad
Interface	SPI	SPI	PWM, SPI	SPI
Base Product Number	ATA6836	ATA6836	ATA6831	ATA6836
Current - Output / Channel	650mA	650mA	1A	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply	4.75V ~ 5.25V	4.75V ~ 5.25V	4.75V ~ 5.25V	4.75V ~ 5.25V
Technology	Power MOSFET	Power MOSFET	Power MOSFET	Power MOSFET
Features	Status Flag	Status Flag	-	Status Flag
Supplier Device Package	24-VQFN (5x5)	28-SO	18-VQFN (4x4)	24-VQFN (5x5)
Current - Peak Output	-	-	-	650mA
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rds On (Typ)	10hm LS, 10hm HS	10hm LS, 10hm HS	800mOhm LS, 800mOhm HS	10hm LS, 10hm HS
Fault Protection	Open Load Detect, Over Temperature, Short Circuit, UVLO	Open Load Detect, Over Temperature, Short Circuit, UVLO	Open Load Detect, Over Temperature, Short Circuit, UVLO	Open Load Detect, Over Temperature, Short Circuit, UVLO
Series	-	-	-	-
Load Type	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive
Output Configuration	Half Bridge (6)	Half Bridge (6)	Half Bridge (3)	Half Bridge (6)
Voltage - Load	5.5V ~ 40V	5.5V ~ 40V	5.6V ~ 40V	5.5V ~ 40V

### ATA6836C-PXQW-1 Datasheet PDF

Download ATA6836C-PXQW-1 pdf datasheets and Microchip Technology documentation for ATA6836C-PXQW-1 - Microchip Technology.

#### Datasheets

[ATA6836C.pdf](#)

#### PCN Packaging

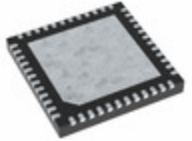


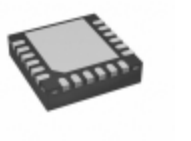


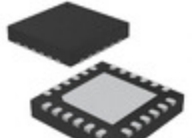

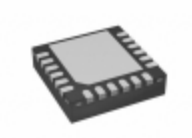
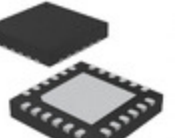
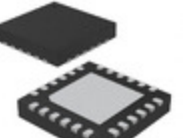

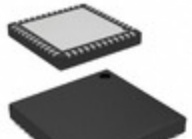



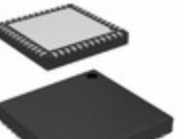

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

[Tape and Reel Label Update 10/Feb/2015.pdf](#)

#### PCN Design/Specification

## Customers Also Interested in

### Recommended Products

					
<b>ATA6834C-PLQW-1</b> Microchip Technology IC MOTOR DRIVER 5.5V-18V 48VQFN	<b>ATA6836C-TIQW</b> Microchip Technology IC HALF BRIDGE DRIVER 650MA 28SO	<b>ATA6834C</b> Atmel (Microchip Technology)	<b>ATA6831C-PIQW</b> Microchip Technology IC HALF BRIDGE DRIVER 1A 18VQFN	<b>ATA6842P-WGQW</b> Atmel (Microchip Technology)	<b>ATA6836C</b> Atmel (Microchip Technology)
					
<b>ATA6838C-PXQW-1</b> Microchip Technology IC MOTOR DRVR 4.75V-5.25V 24VQFN	<b>ATA6832C</b> Atmel (Microchip Technology)	<b>ATA6832-PIQW</b> Microchip Technology IC MTR DRIVER 4.75V-5.25V 18VQFN	<b>ATA6838C-PXQW</b> Microchip Technology IC MOTOR DRVR 4.75V-5.25V 24VQFN	<b>ATA6836C-PXQW</b> Microchip Technology IC HALF BRIDGE DRIVER 24VQFN	<b>ATA6836-PXQW</b> Atmel (Microchip Technology)
					
<b>ATA6834C-PLQW</b> Microchip Technology IC MOTOR DRIVER 5.5V-18V 48VQFN	<b>ATA6838C</b> Atmel (Microchip Technology)	<b>ATA6841P-PLQW</b> Atmel (Microchip Technology)	<b>ATA6842P-PLQW</b> Atmel (Microchip Technology)	<b>ATA6834-PLQW</b> Microchip Technology IC MOTOR DRIVER 5.5V-18V 48VQFN	<b>ATA6836C-TIQY-19</b> Microchip Technology IC HALF BRIDGE DRIVER 28SO

## 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.



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Contact us if you have any questions.

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