

Image may be representation.
See specifications for product details.



ATA6612C-PLQW-1

Manufacturer Part Number	ATA6612C-PLQW-1
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATA6612C-PLQW-1
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 8KB FLASH 48QFN
Package	48-VFQFN Exposed Pad
Data sheet	ATA6612C,13C Complete.pdf
RoHs Status	ROHS3 Compliant

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ATA6612C-PLQW-1 - Microchip Technology. New Original in Stock. Download Linear Technology ATA6612C-PLQW-1 datasheet/specifications on AllelcoElec.com. Request a quote for ATA6612C-PLQW-1, please send us email: info@allelco.com

Specifications

ATA6612C-PLQW-1 Tech Specifications
ATA6612C-PLQW-1 - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TC)
Supplier Device Package	48-QFN (7x7)	Number of I/O	23
Speed	16MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, AVR@ ATA66 LIN-SBC, Functional Safety (FuSa)	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (8K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, LINbus, SPI, UART/USART
Package / Case	48-VFQFN Exposed Pad	Base Product Number	ATA6612
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATA6612C-PLQW-1

Product Attribute				
Part Number	ATA6612C-PLQW-1	ATA6613C-PLQW	ATA6613P-PLPW	ATA6612C-PLQW
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Speed	16MHz	16MHz	16MHz	16MHz
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Core Processor	AVR	AVR	AVR	AVR
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	ATA6612	ATA6613	ATA6613	ATA6612
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Program Memory Size	8KB (8K x 8)	16KB (16K x 8)	16KB (16K x 8)	8KB (8K x 8)
Connectivity	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART
Series	Automotive, AEC-Q100, AVR@ ATA66 LIN-SBC, Functional Safety (FuSa)	Automotive, AEC-Q100, AVR@ ATA66 LIN-SBC, Functional Safety (FuSa)	Automotive, AEC-Q100, AVR@ ATA66 LIN-SBC	Automotive, AEC-Q100, AVR@ ATA66 LIN-SBC, Functional Safety (FuSa)
Operating Temperature	-40°C ~ 125°C (TC)	-40°C ~ 125°C (TC)	-40°C ~ 125°C (TC)	-40°C ~ 125°C (TC)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	23	23	23	23
Supplier Device Package	48-QFN (7x7)	48-QFN (7x7)	48-QFN (7x7)	48-QFN (7x7)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit

ATA6612C-PLQW-1 Datasheet PDF

Download ATA6612C-PLQW-1 pdf datasheets and Microchip Technology documentation for ATA6612C-PLQW-1 - Microchip Technology.

Datasheets

ATA6612C,13C Complete.pdf

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf












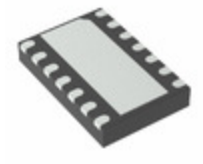


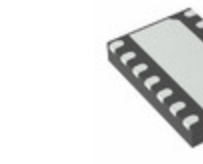





Tape and Reel Label Update 10/Feb/2015.pdf

PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

Customers Also Interested in

Recommended Products

				
				
ATA6571H Atmel (Microchip Technology)	ATA6571-GNQW0-VAO Microchip Technology IC TRANSCEIVER HALF 1/1 14SOIC	ATA6613C-PLQW Microchip Technology IC MCU 8BIT 16KB FLASH 48QFN	ATA6613P-PLPW Microchip Technology IC MCU 8BIT 16KB FLASH 48QFN	ATA6612C-PLQW Microchip Technology IC MCU 8BIT 8KB FLASH 48QFN
				
ATA6571-GNQW1-VAO Microchip Technology IC TRANSCEIVER HALF 1/1 14SOIC	ATA6571-GCQW1-VAO Microchip Technology CAN TRX W WD, WAKE-UP PIN & PN	ATA6612P-PLQW Microchip Technology IC MCU 8BIT 8KB FLASH 48QFN	ATA6613P-PLQW Microchip Technology IC MCU 8BIT 16KB FLASH 48QFN	ATA6571-GCQW0-VAO Microchip Technology CAN TRX W WD, WAKE-UP PIN & PN
				
ATA6602-PLQW Atmel (Microchip Technology)	ATA6614P-PLQW Atmel (Microchip Technology)	ATA6613C Atmel (Microchip Technology)	ATA6603P-PLQW Atmel (Microchip Technology)	ATA6612C Atmel (Microchip Technology)
				ATA6570H Atmel (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.

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
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com