

Image may be representation.
See specifications for product details.



AT90PWM316-16MU

Manufacturer Part Number	AT90PWM316-16MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT90PWM316-16MU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 16KB FLASH 32QFN
Package	32-VQFN Exposed Pad
Data sheet	AT90PWM216,316 Summary.pdf AT90PWM216,316 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT90PWM316-16MU - Microchip Technology. New Original in Stock. Download Linear Technology AT90PWM316-16MU datasheet/specifications on AllelcoElec.com. Request a quote for AT90PWM316-16MU, please send us email: info@allelco.com

Specifications

AT90PWM316-16MU Tech Specifications
AT90PWM316-16MU - 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 ~ 105°C (TA)
Supplier Device Package	32-QFN (7x7)	Number of I/O	27
Speed	16MHz	Mounting Type	Surface Mount
Series	AVR@ 90PWM Lighting	EEPROM Size	512 x 8
RAM Size	1K x 8	Data Converters	A/D 11x10b; D/A 1x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	SPI, UART/USART
Package / Case	32-VQFN Exposed Pad	Base Product Number	AT90PWM316
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT90PWM316-16MU

Product Attribute				
Part Number	AT90PWM316-16MU	AT90PWM3B-16MU	AT90PWM3-16SQ	AT90PWM316-16SU
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Number of I/O	27	27	27	27
Supplier Device Package	32-QFN (7x7)	32-QFN (7x7)	32-SOIC	32-SOIC
Package / Case	32-VQFN Exposed Pad	32-VQFN Exposed Pad	32-SOIC (0.295", 7.50mm Width)	32-SOIC (0.295", 7.50mm Width)
Package	Tray	Tray	Tube	Tube
Oscillator Type	Internal	Internal	Internal	Internal
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 Size	8-Bit	8-Bit	8-Bit	8-Bit
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	AVR@ 90PWM Lighting	AVR@ 90PWM Lighting	AVR@ 90PWM Lighting	AVR@ 90PWM Lighting
Speed	16MHz	16MHz	16MHz	16MHz
Core Processor	AVR	AVR	AVR	AVR
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	AT90PWM316	AT90PWM3B	AT90PWM3	AT90PWM316
Connectivity	SPI, UART/USART	SPI, UART/USART	SPI, UART/USART	SPI, UART/USART
Data Converters	A/D 11x10b; D/A 1x10b	A/D 11x10b; D/A 1x10b	A/D 11x10b; D/A 1x10b	A/D 11x10b; D/A 1x10b
Program Memory Size	16KB (16K x 8)	8KB (8K x 8)	8KB (8K x 8)	16KB (16K x 8)
RAM Size	1K x 8	512 x 8	512 x 8	1K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)

AT90PWM316-16MU Datasheet PDF

Download AT90PWM316-16MU pdf datasheets and Microchip Technology documentation for AT90PWM316-16MU - Microchip Technology.

PCN Packaging

- [Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)
- [Boxes 07/Dec/2016.pdf](#)


PCN Design/Specification

- [Marking Chgs 11/Jul/2017.pdf](#)
- [Copper Bonding Wire Update 30/Jan/2015.pdf](#)

PCN Other

 2.73KHz.pdf

HTML Datasheet

 AT90PWM216,316 Summary.pdf


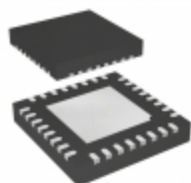




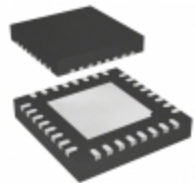




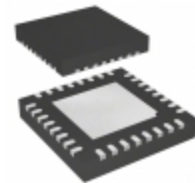
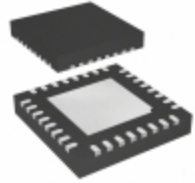





 AT90PWM216,316 Datasheet.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
AT90PWM81-16ME Atmel (Microchip Technology)	AT90PWM3B-16MU Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	AT90PWM3-16SQ Atmel IC MCU 8BIT 8KB FLASH 32SOIC	AT90PWM316-16SU Microchip Technology IC MCU 8BIT 16KB FLASH 32SOIC	AT90PWM316-16SUR Atmel IC MCU 8BIT 16KB FLASH 32SOIC	AT90PWM3B-16SU Microchip Technology IC MCU 8BIT 8KB FLASH 32SOIC
					
AT90PWM3-16MQ Microchip Technology IC MCU 8BIT 8KB FLASH 32QFN	AT90PWM1610S-16MNR Atmel (Microchip Technology)	AT90PWM3-16MQ Atmel IC MCU 8BIT 8KB FLASH 32QFN	AT90PWM2-16SQ Microchip Technology IC MCU 8BIT 8KB FLASH 24SOIC	AT90PWM316-16SUR Microchip Technology IC MCU 8BIT 16KB FLASH 32SOIC	AT90PWM316-16MUR Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN
					
AT90PWM316EAR-16MUR Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN	AT90PWM3-16SQ Microchip Technology IC MCU 8BIT 8KB FLASH 32SOIC	AT90PWM216-16SU Microchip Technology IC MCU 8BIT 16KB FLASH 24SOIC	AT90PWM1610S-16MNR Microchip Technology IC MCU 8BIT 16KB FLASH 32QFN	AT90PWM2B-16SU Microchip Technology IC MCU 8BIT 8KB FLASH 24SOIC	AT90PWM216-16SUR Microchip Technology IC MCU 8BIT 16KB FLASH 24SOIC

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

