

AT90PWM161-16SN



Part Number: [AT90PWM161-16SN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 20SOIC

Data sheet:  [AT90PWM81,161](#)

RoHs Status: Lead free / RoHS Compliant

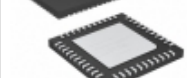
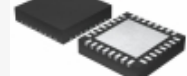
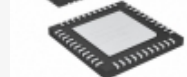
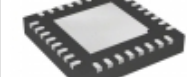
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AT90PWM161-16SN                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 16KB FLASH 20SOIC             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 84508 pcs                                 | Data sheet                       | <a href="#">AT90PWM81,161</a>                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20-SO                                     | Speed                            | 16MHz                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AVR® 90PWM Lighting                       | RAM Size                         | 1K x 8                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size              | 16KB (16K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20-SOIC (0.295", 7.50mm Width)            | Other Names                      | 1611-AT90PWM161-16SN<br>1611-AT90PWM161-16SNCT<br>1611-AT90PWM161-16SNCT-ND       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                     |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 512 x 8                                   | Detailed Description             | AVR AVR® 90PWM Lighting Microcontroller IC 8-Bit 16MHz 16KB (16K x 8) FLASH 20-SO |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 11x10b; D/A 1x10b                     | Core Size                        | 8-Bit                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AVR                                       | Connectivity                     | SPI                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT90PWM2B-16SU</a><br>Description: IC MCU 8BIT 8KB FLASH 24SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM2-16SQR</a><br>Description: IC MCU 8BIT 8KB FLASH 24SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90LS8535-4PI</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM2B-16SUR</a><br>Description: IC MCU 8BIT 8KB FLASH 24SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90LS8535-4MI</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM161-16MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM216-16SUR</a><br>Description: IC MCU 8BIT 16KB FLASH 24SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM3-16MQ</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM1-16MU</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM161OS-16MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM1-16SU</a><br>Description: IC MCU 8BIT 8KB FLASH 24SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90LS8535-4MC</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM161-16SNR</a><br>Description: IC MCU 8BIT 16KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM161-16MN</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM1-16MUR</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90LS8535-4JI</a><br>Description: IC MCU 8BIT 8KB FLASH 44PLCC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM161OS-16SNR</a><br>Description: IC MCU 8BIT 16KB FLASH 20SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90LS8535-4PC</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM2-16SQ</a><br>Description: IC MCU 8BIT 8KB FLASH 24SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90PWM216-16SU</a><br>Description: IC MCU 8BIT 16KB FLASH 24SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                               |                                      |                                        |                       |
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