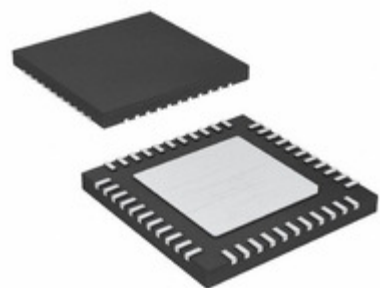


PIC18F4439-E/ML



Images are for reference only.  
See Product Specifications for product details.  
Buy PIC18F4439-E/ML with confidence from  
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Part Number: [PIC18F4439-E/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 12KB FLASH 44QFN

Data sheet:  [PIC18Fxx39 Data Sheet](#)  
 [Timer1 Errata](#)  
 [PIC18Fxx39 Programming Spec](#)  
 [PIC18Fxx39 Rev. B5 Silicon Errata Sheet](#)

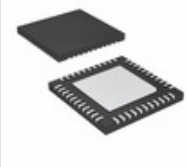
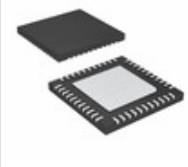
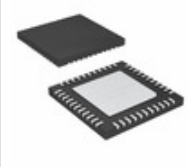
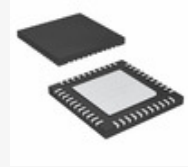
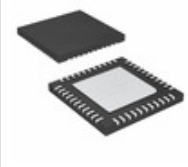
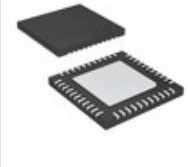
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                |                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC18F4439-E/ML                            | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 12KB FLASH 44QFN               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4552 pcs                                   | Data sheet                     | <a href="#">PIC18Fxx39 Data Sheet</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC18Fxx39 Programming Spec</a><br><a href="#">PIC18Fxx39 Rev. B5 Silicon Errata Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)     | 4.2 V ~ 5.5 V                                                                                                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-QFN (8x8)                               | Speed                          | 40MHz                                                                                                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 18F                                   | RAM Size                       | 640 x 8                                                                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                      | Program Memory Size            | 12KB (6K x 16)                                                                                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, LVD, POR, PWM, WDT | Packaging                      | Tube                                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-VQFN Exposed Pad                        | Oscillator Type                | Internal                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 125°C (TA)                         | Number of I/O                  | 32                                                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 (Unlimited)                              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 256 x 8                                    | Detailed Description           | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 12KB (6K x 16) FLASH 44-QFN (8x8)                                                                                                    |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x10b                                  | Core Size                      | 8-Bit                                                                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                        | Connectivity                   | I²C, SPI, UART/USART                                                                                                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC18F4439                                 |                                |                                                                                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
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|  | Part#: <a href="#">PIC18F4431T-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439T-I/PT</a><br>Description: IC MCU 8BIT 12KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-E/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439-E/PT</a><br>Description: IC MCU 8BIT 12KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4450-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-E/P</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439-I/P</a><br>Description: IC MCU 8BIT 12KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439-I/ML</a><br>Description: IC MCU 8BIT 12KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-I/P</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439T-I/ML</a><br>Description: IC MCU 8BIT 12KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431-E/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F442T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4431T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F442T-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439-I/PT</a><br>Description: IC MCU 8BIT 12KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439T-E/ML</a><br>Description: IC MCU 8BIT 12KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4439T-E/PT</a><br>Description: IC MCU 8BIT 12KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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