

PIC18F442-E/P



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Part Number: [PIC18F442-E/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 40DIP

Data sheet:  [PIC18F2x2, 4x2 Rev B5 Errata](#)  
 [PIC18Fxx2 Rev.B2 Datasheet Errata](#)  
 [PIC18Fxx2 Rev. C1 Silicon, Datasheet Errata](#)  
 [PIC18Fxx2 Rev.B3/B4 Datasheet Errata](#)  
 [Timer1 Errata](#)  
 [PIC18F2x2, 4x2 Datasheet](#)  
 [PIC18Fxx2 Rev C0 Errata](#)  
 [PIC18Fxx2, xx8 Programming Specification](#)

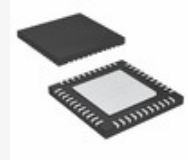
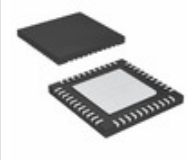
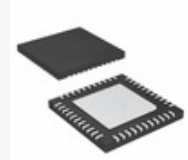
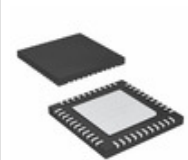
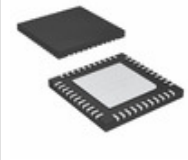
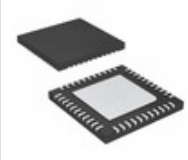
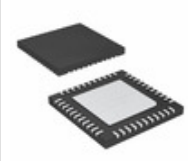
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                          |                                 |                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC18F442-E/P                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 16KB FLASH 40DIP                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12791 pcs                                                                | Data sheet                      | <a href="#">PIC18F2x2, 4x2 Rev B5 Errata</a><br><a href="#">PIC18Fxx2 Rev.B2 Datasheet Errata</a><br><a href="#">PIC18Fxx2 Rev. C1 Silicon, Datasheet Errata</a><br><a href="#">PIC18Fxx2 Rev.B3/B4 Datasheet Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC18F2x2, 4x2 Datasheet</a><br><a href="#">PIC18Fxx2 Rev C0 Errata</a><br><a href="#">PIC18Fxx2, xx8 Programming Specification</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                                | Voltage - Supply (Vcc/Vdd)      | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 40-PDIP                                                                  | Speed                           | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC® 18F                                                                 | RAM Size                        | 768 x 8                                                                                                                                                                                                                                                                                                                                                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                                                    | Program Memory Size             | 16KB (8K x 16)                                                                                                                                                                                                                                                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, LVD, POR, PWM, WDT                               | Packaging                       | Tube                                                                                                                                                                                                                                                                                                                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40-DIP (0.600", 15.24mm)                                                 | Oscillator Type                 | External                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 125°C (TA)                                                       | Number of I/O                   | 34                                                                                                                                                                                                                                                                                                                                                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 (Unlimited)                                                            | Manufacturer Standard Lead Time | 4 Weeks                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead free / RoHS Compliant                                               | EEPROM Size                     | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 16KB (8K x 16) FLASH 40-PDIP | Data Converters                 | A/D 8x10b                                                                                                                                                                                                                                                                                                                                                                                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-Bit                                                                    | Core Processor                  | PIC                                                                                                                                                                                                                                                                                                                                                                                                          |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | I²C, SPI, UART/USART                                                     | Base Part Number                | PIC18F442                                                                                                                                                                                                                                                                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC18F4410-I/P</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4420-E/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F442-E/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4410-E/P</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">PIC18F4410-E/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4410T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">PIC18F442-I/L</a><br>Description: IC MCU 8BIT 16KB FLASH 44PLCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4410-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4410-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC18F4420-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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Related keywords for PIC18F442-E/P

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| Micrel / Microchip Technology PIC18F442-E/P | PIC18F442-E/P distributor          | PIC18F442-E/P supplier                                  | PIC18F442-E/P price |
| PIC18F442-E/P download datasheet            | PIC18F442-E/P datasheet            | PIC18F442-E/P stock                                     | buy PIC18F442-E/P   |
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