

PIC18F4221-I/P



Part Number: [PIC18F4221-I/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB FLASH 40DIP

Data sheet:  [PIC18F\(2x21, 4x21\) Revision B2 Errata](#)  
 [PIC18F\(2, 4\)zzz Programming Specification](#)  
 [PIC18F2x21, 4x21 Data Sheet](#)

RoHs Status: Lead free / RoHS Compliant

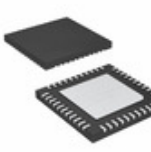
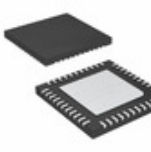
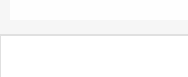
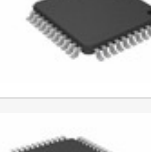
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |                                  |                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC18F4221-I/P                              | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 4KB FLASH 40DIP                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 34831 pcs                                   | Data sheet                       | <a href="#">PIC18F(2x21, 4x21) Revision B2 Errata</a><br><a href="#">PIC18F(2, 4)zzz Programming Specification</a><br><a href="#">PIC18F2x21, 4x21 Data Sheet</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                         | 512 x 8                                                                                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                       | Program Memory Size              | 4KB (2K x 16)                                                                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, HLVD, POR, PWM, WDT | Packaging                        | Tube                                                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 40-DIP (0.600", 15.24mm)                    | Other Names                      | PIC18F4221IP                                                                                                                                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                    | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36                                          | 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 4KB (2K x 16) FLASH 40-PDIP                                                                                           |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 13x10b                                  | Core Size                        | 8-Bit                                                                                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                         | Connectivity                     | I²C, SPI, UART/USART                                                                                                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC18F4221                                  |                                  |                                                                                                                                                                   |
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|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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