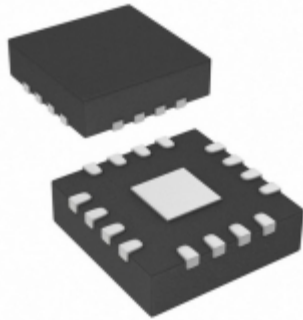


PIC16F506T-I/MG



Images are for reference only.  
See Product Specifications for product details.  
Buy PIC16F506T-I/MG with confidence from  
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Part Number: [PIC16F506T-I/MG](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 1.5KB FLASH 16QFN

Data sheet:  [PIC1xF5xx](#)  
 [PIC16F506 Programming Spec](#)  
 [PIC16F506 Revision B Errata](#)  
 [Tips N Tricks Guide](#)  
 [PIC16F506 Errata & Data Sheet Clarification](#)

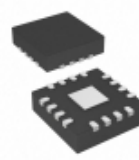
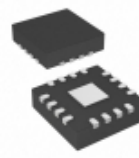
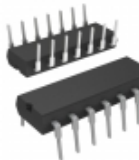
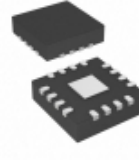
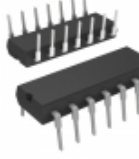
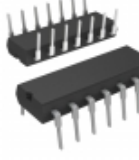
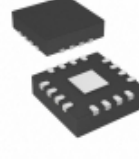
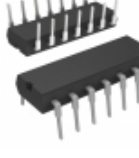
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F506T-I/MG                           | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 1.5KB FLASH 16QFN             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 67702 pcs                                 | Data sheet                     | <a href="#">PIC1xF5xx</a><br><a href="#">PIC16F506 Programming Spec</a><br><a href="#">PIC16F506 Revision B Errata</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">PIC16F506 Errata &amp; Data Sheet Clarification</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2 V ~ 5.5 V                                                                                                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-QFN-EP (3x3)                           | Speed                          | 20MHz                                                                                                                                                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 16F                                  | RAM Size                       | 67 x 8                                                                                                                                                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size            | 1.5KB (1K x 12)                                                                                                                                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                              | POR, WDT                                  | Packaging                      | Tape & Reel (TR)                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-VFQFN Exposed Pad                      | Oscillator Type                | Internal                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                         | Number of I/O                  | 11                                                                                                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                       |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 1.5KB (1K x 12) FLASH 16-QFN-EP (3x3)                                                                                                                                                |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 4x8b                                  | Core Size                      | 8-Bit                                                                                                                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                       | Connectivity                   | -                                                                                                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC16F506                                 |                                |                                                                                                                                                                                                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 67702 pieces of Micrel / Microchip Technology PIC16F506T-I/MG in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                           |                                |                                                                                                                                                                                                                                  |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F506-E/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506-I/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506-E/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-E/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506-I/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-I/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506T-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-I/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-E/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F506-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F505T-I/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-I/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-E/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506-E/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F505T-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F526-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F506-E/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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