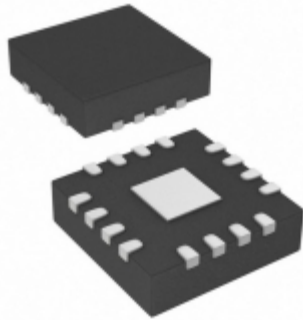


PIC16F505-I/MG



Images are for reference only.  
See Product Specifications for product details.  
**Buy PIC16F505-I/MG with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [PIC16F505-I/MG](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 1.5KB FLASH 16QFN

**Data sheet:**  [PIC16F505 Programming Spec](#)  
 [PIC12F508/9, PIC16F505](#)  
 [Tips N Tricks Guide](#)  
 [PIC16F505 Revision A Errata](#)

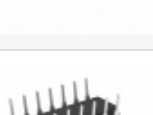
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC16F505-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 78625 pcs                                 | Data sheet                       | <a href="#">PIC16F505 Programming Spec</a><br><a href="#">PIC12F508/9, PIC16F505</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">PIC16F505 Revision A Errata</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                         | 72 x 8                                                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 1.5KB (1K x 12)                                                                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POR, WDT                                  | Packaging                        | Tube                                                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16-VFQFN Exposed Pad                      | Other Names                      | PIC16F505IMG                                                                                                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 11                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9 Weeks                                   | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Core Size                        | 8-Bit                                                                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                       | Connectivity                     | -                                                                                                                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC16F505                                 |                                  |                                                                                                                                                                            |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 78625 pieces of Micrel / Microchip Technology PIC16F505-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: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                  |                                                                                                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC16F505-E/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947T-I/MR</a><br>Description: IC MCU 8BIT 28KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Microchip Technology</a>          | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505T-I/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F506-E/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-E/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947-E/MR</a><br>Description: IC MCU 8BIT 28KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947T-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505T-I/MG</a><br>Description: IC MCU 8BIT 1.5KB FLASH 16QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-E/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F506-E/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-E/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F506-E/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-I/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505T-E/SL</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505-I/P</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947-E/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F505T-I/ST</a><br>Description: IC MCU 8BIT 1.5KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1947-I/MR</a><br>Description: IC MCU 8BIT 28KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

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