

PIC24HJ256GP206A-E/MR



**Part Number:** [PIC24HJ256GP206A-E/MR](#)

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

**Description:** IC MCU 16BIT 256KB FLASH 64QFN

**Data sheet:**  [DSPIC33F, PIC24H Flash Programming](#)  
 [Self-Healing Embedded Control Solutions](#)  
 [PIC24HJyyyGPy06/08/10A](#)  
 [PIC24HJ256GPX06/08/10A Errata](#)

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

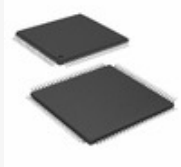
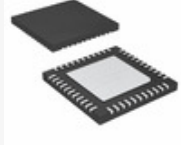
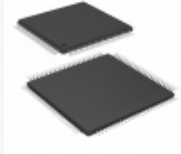
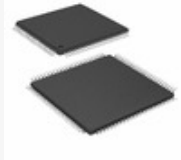
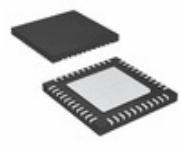
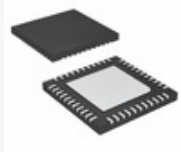
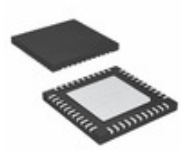
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |                                 |                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC24HJ256GP206A-E/MR                                                                | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 256KB FLASH 64QFN                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19593 pcs                                                                            | Data sheet                      | <a href="#">DSPIC33F, PIC24H Flash Programming</a><br><a href="#">Self-Healing Embedded Control Solutions</a><br><a href="#">PIC24HJyyyGPy06/08/10A</a><br><a href="#">PIC24HJ256GPX06/08/10A Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-QFN (9x9)                                                                         | Speed                           | 40 MIPS                                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC® 24H                                                                             | RAM Size                        | 16K x 8                                                                                                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                | Program Memory Size             | 256KB (85.5K x 24)                                                                                                                                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                           | Packaging                       | Tube                                                                                                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-VFQFN Exposed Pad                                                                 | Oscillator Type                 | Internal                                                                                                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TA)                                                                   | Number of I/O                   | 53                                                                                                                                                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                        | Manufacturer Standard Lead Time | 6 Weeks                                                                                                                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                                                                                                                                                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC PIC® 24H Microcontroller IC 16-Bit 40 MIPS 256KB (85.5K x 24) FLASH 64-QFN (9x9) | Data Converters                 | A/D 18x10b/12b                                                                                                                                                                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                               | Core Processor                  | PIC                                                                                                                                                                                                      |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC, IrDA, LINbus, SPI, UART/USART                                                    | Base Part Number                | PIC24HJ256GP206A                                                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC24HJ256GP206AT-I/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ256GP210-I/PP</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ12GP202T-I/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 28SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ16GP304-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ16GP304-E/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ16GP304-H/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ16GP304-I/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ256GP210-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ256GP206T-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ16GP304T-I/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ256GP206A-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC24HJ256GP210A-E/PP</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|
| Related keywords for PIC24HJ256GP206A-E/MR          |                                                     |                                            |                                                                 |
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