

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### PIC24F16KA301-I/P

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC24F16KA301-I/P                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 16KB FLASH 20DIP                                                                                |
|                     |  1.PIC24F16KA301-I/P.pdf    |
|                     |  2.PIC24F16KA301-I/P.pdf    |
|                     |  3.PIC24F16KA301-I/P.pdf    |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

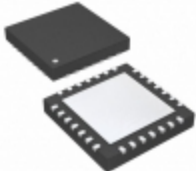
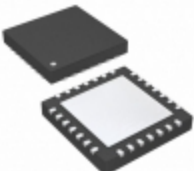
#### Specifications of PIC24F16KA301-I/P

|                                  |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC24F16KA301-I/P                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 20DIP                                                                                                                                                                                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.PIC24F16KA301-I/P.pdf<br> 2.PIC24F16KA301-I/P.pdf<br> 3.PIC24F16KA301-I/P.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 20-PDIP                                                                                                                                                                                                                                                                                                                                   |
| SPEED                            | 32MHz                                                                                                                                                                                                                                                                                                                                     |
| SERIES                           | PIC® XLP™ 24F                                                                                                                                                                                                                                                                                                                             |
| RAM SIZE                         | 2K x 8                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY SIZE              | 16KB (5.5K x 24)                                                                                                                                                                                                                                                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 20-DIP (0.300", 7.62mm)                                                                                                                                                                                                                                                                                                                   |
| OTHER NAMES                      | PIC24F16KA301IP                                                                                                                                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                         |
| NUMBER OF I/O                    | 18                                                                                                                                                                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                             |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                                                                                                                                                   |
| DETAILED DESCRIPTION             | PIC PIC® XLP™ 24F Microcontroller IC 16-Bit 32MHz 16KB (5.5K x 24) FLASH 20-PDIP                                                                                                                                                                                                                                                          |
| DATA CONVERTERS                  | A/D 12x12b                                                                                                                                                                                                                                                                                                                                |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                    |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                       |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                        |
| BASE PART NUMBER                 | PIC24F16KA301                                                                                                                                                                                                                                                                                                                             |

#### Related Tags

|                                                 |                                        |                                                          |
|-------------------------------------------------|----------------------------------------|----------------------------------------------------------|
| Micrel / Microchip Technology PIC24F16KA301-I/P | PIC24F16KA301-I/P Distributor          | PIC24F16KA301-I/P Supplier                               |
| PIC24F16KA301-I/P Price                         | PIC24F16KA301-I/P Pictures             | PIC24F16KA301-I/P Image                                  |
| PIC24F16KA301-I/P PDF Datasheet                 | PIC24F16KA301-I/P Download Datasheet   | PIC24F16KA301-I/P Datasheet                              |
| PIC24F16KA301-I/P Stock                         | Buy PIC24F16KA301-I/P                  | Buy Micrel / Microchip Technology PIC24F16KA301-I/P      |
| Micrel / Microchip Technology PIC24F16KA301-I/P | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor                |
| Micrel / Microchip Technology PIC24F16KA301-I/P | Microchip Technology PIC24F16KA301-I/P | Roving Networks / Microchip Technology PIC24F16KA301-I/P |

#### Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                   |
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|  <div><b>PIC24F16KA301T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>PIC24F16KA301-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SOIC<br/>In stock: 304 pcs<br/><b>RFQ</b></div>    |
|  <div><b>PIC24F16KA302-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>   |  <div><b>PIC24F16KA301-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>PIC24F16KA301-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20DIP<br/>In stock: Out stock<br/><b>RFQ</b></div>    |  <div><b>PIC24F16KA102T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>PIC24F16KA301-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>PIC24F16KA302-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>PIC24F16KA102T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>PIC24F16KA301-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: 222 pcs<br/><b>RFQ</b></div>    |
|  <div><b>PIC24F16KA102T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SSOP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>PIC24F16KA301T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div> |