

PIC24F16KA102-I/SP



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Part Number:

PIC24F16KA102-I/SP

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 16KB FLASH 28SDIP

Data sheet:

 16-bit Embedded Control Solutions

 PIC24FzzKA(10z,20z) Programming Spec

 PIC24F16KA102 Family

 PIC24F16KA102 Family Errata & DataSheet Clarificat

RoHs Status:

Lead free / RoHS Compliant

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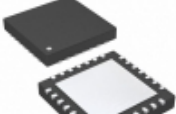
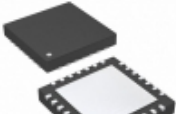
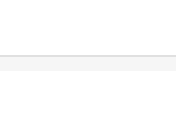
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                  |                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC24F16KA102-I/SP                        | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 16KB FLASH 28SDIP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 41033 pcs                                 | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">PIC24FzzKA(10z,20z) Programming Spec</a><br><a href="#">PIC24F16KA102 Family</a><br><a href="#">PIC24F16KA102 Family Errata &amp; DataSheet Clarificat</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28-SPDIP                                  | Speed                            | 32MHz                                                                                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC® XLP™ 24F                             | RAM Size                         | 1.5K x 8                                                                                                                                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                     | Program Memory Size              | 16KB (5.5K x 24)                                                                                                                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                                                                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28-DIP (0.300", 7.62mm)                   | Other Names                      | PIC24F16KA102ISP                                                                                                                                                                                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 24                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                               |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9 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 28-SPDIP                                                                                                                                           |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 9x10b                                 | Core Size                        | 16-Bit                                                                                                                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC                                       | Connectivity                     | IC, IrDA, SPI, UART/USART                                                                                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC24F16KA102                             |                                  |                                                                                                                                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                              |                |
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|  | Part#: <a href="#">PIC24F16KA301-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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