

PIC24FJ192GA108-I/PT



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Part Number: [PIC24FJ192GA108-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 192KB FLASH 80TQFP

Data sheet:  [PIC24FJzzzG\(A,B\)1 Programming Spec](#)  
 [16-bit Embedded Control Solutions](#)  
 [PIC24FJ256GA110 Family Rev A3 Silicon Errata](#)  
 [PIC24FJ256GA110 Family Datasheet](#)

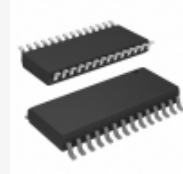
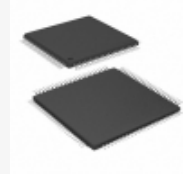
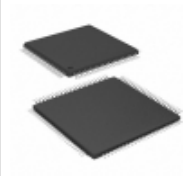
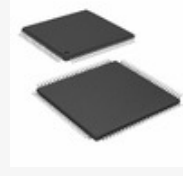
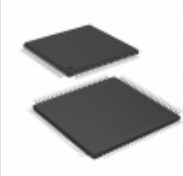
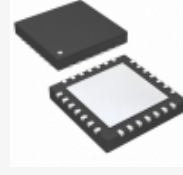
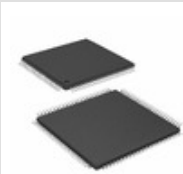
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |                                  |                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC24FJ192GA108-I/PT                       | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 192KB FLASH 80TQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 21956 pcs                                  | Data sheet                       | <a href="#">PIC24FJzzzG(A,B)1 Programming Spec</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">PIC24FJ256GA110 Family Rev A3 Silicon Errata</a><br><a href="#">PIC24FJ256GA110 Family Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 2 V ~ 3.6 V                                                                                                                                                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 80-TQFP (12x12)                            | Speed                            | 32MHz                                                                                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC® 24F                                   | RAM Size                         | 16K x 8                                                                                                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                      | Program Memory Size              | 192KB (65.5K x 24)                                                                                                                                                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, LVD, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 80-TQFP                                    | Other Names                      | PIC24FJ192GA108IPT                                                                                                                                                                                                          |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 69                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                               |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                          | Detailed Description             | PIC PIC® 24F Microcontroller IC 16-Bit 32MHz 192KB (65.5K x 24) FLASH 80-TQFP (12x12)                                                                                                                                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 16x10b                                 | Core Size                        | 16-Bit                                                                                                                                                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC                                        | Connectivity                     | I²C, PMP, SPI, UART/USART                                                                                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC24FJ192GA108                            |                                  |                                                                                                                                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
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|  | Part#: <a href="#">PIC24FJ16MC102T-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ192GA106-I/PT</a><br>Description: IC MCU 16BIT 192KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ192GA110T-I/PT</a><br>Description: IC MCU 16BIT 192KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ16MC102-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 28SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24FJ192GA106-E/PT</a><br>Description: IC MCU 16BIT 192KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ192GA110-I/PT</a><br>Description: IC MCU 16BIT 192KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24FJ16MC102-I/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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