

MSP430F5309IPT



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Part Number: [MSP430F5309IPT](#)

Manufacturer: N/A

Description: IC MCU 16BIT 24KB FLASH 48LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                  |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | MSP430F5309IPT                             | Manufacturer                     | N/A                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 24KB FLASH 48LQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 56384 pcs                                  | Data sheet                       |                                                                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 48-LQFP (7x7)                              | Speed                            | 25MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                     | MSP430F5xx                                 | RAM Size                         | 6K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                      | Program Memory Size              | 24KB (24K x 8)                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 48-LQFP                                    | Other Names                      | 296-29595<br>296-29595-1<br>296-29595-1-ND<br>MSP430F5309IPT-ND                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                              | 31                                         | 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             | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 25MHz 24KB (24K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 8x10b                                  | Core Size                        | 16-Bit                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                             | CPUXV2                                     | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                           | MSP430F5309                                |                                  |                                                                                      |
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|  | Part#: <a href="#">MSP430F5308IZQER</a><br>Description: IC MCU 16BIT 16KB FLASH 80BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5309IZQER</a><br>Description: IC MCU 16BIT 24KB FLASH 80BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5308IPTR</a><br>Description: IC MCU 16BIT 16KB FLASH 48LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F5309IRGZT</a><br>Description: IC MCU 16BIT 24KB FLASH 48VQFN | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5308IRGZT</a><br>Description: IC MCU 16BIT 16KB FLASH 48VQFN | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F5304IRGZT</a><br>Description: IC MCU 16BIT 8KB FLASH 48VQFN  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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