

MSP430F5419IPZ



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Part Number: [MSP430F5419IPZ](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 128KB FLASH 100LQFP](#)

Data sheet:

RoHs Status: [Lead free / RoHS Compliant](#)

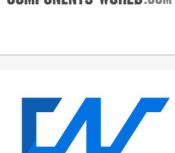
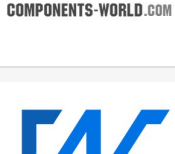
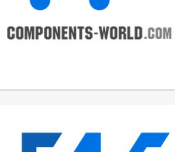
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                           |                                  |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | MSP430F5419IPZ                                                                            | Manufacturer                     | N/A                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 128KB FLASH 100LQFP                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 22099 pcs                                                                                 | Data sheet                       |                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                                 | Voltage - Supply (Vcc/Vdd)       | 2.2 V ~ 3.6 V                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 100-LQFP (14x14)                                                                          | Speed                            | 18MHz                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                     | MSP430F5xx                                                                                | RAM Size                         | 16K x 8                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                                                     | Program Memory Size              | 128KB (128K x 8)                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                | Packaging                        | Tray                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 100-LQFP                                                                                  | Other Names                      | 296-23454<br>296-23454-5<br>296-23454-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                                                                  | Operating Temperature            | -40°C ~ 85°C (TA)                        |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                              | 87                                                                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                            |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                                | EEPROM Size                      | -                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                       | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 18MHz 128KB (128K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 16x12b                               |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-Bit                                                                                    | Core Processor                   | CPUXV2                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                               | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART                                      | Base Part Number                 | MSP430F5419                              |
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