

MSP430F427AIPM



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Part Number: [MSP430F427AIPM](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 32KB FLASH 64LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                  |                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | MSP430F427AIPM                             | Manufacturer                     | N/A                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 16BIT 32KB FLASH 64LQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 29368 pcs                                  | Data sheet                       |                                                                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                    | 64-LQFP (10x10)                            | Speed                            | 8MHz                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                     | MSP430x4xx                                 | RAM Size                         | 1K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                      | Program Memory Size              | 32KB (32K x 8 + 256B)                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, LCD, POR, PWM, WDT | Packaging                        | Tray                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                             | 64-LQFP                                    | Other Names                      | 296-32660<br>MSP430F427AIPM-ND                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                              | 14                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                            | 8 Weeks                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                | -                                          | Detailed Description             | MSP430 MSP430x4xx Microcontroller IC 16-Bit 8MHz 32KB (32K x 8 + 256B) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 3x16b                                  | Core Size                        | 16-Bit                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                             | MSP430                                     | Connectivity                     | SPI, UART/USART                                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                           | MSP430F427A                                |                                  |                                                                                              |
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