

MSP430FR5986IPM



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Part Number: [MSP430FR5986IPM](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 48KB FRAM 64LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                         |                                 |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430FR5986IPM                                                                         | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 48KB FRAM 64LQFP                                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 21045 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                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430™ FRAM                                                                            | RAM Size                        | 2K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FRAM                                                                                    | Program Memory Size             | 48KB (48K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                              | Packaging                       | Tray                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 64-LQFP                                                                                 | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                       | Number of I/O                   | 48                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                                                           | Manufacturer Standard Lead Time | 26 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                              | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                        | CPUXV2 MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 48KB (48K x 8) FRAM 64-LQFP (10x10) | Data Converters                 | A/D 12x12b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                                  | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                | I <sup>2</sup> C, IrDA, SPI, UART/USART                                                 |                                 |                            |
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