

MSP430FR6987IPZ



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Part Number: [MSP430FR6987IPZ](#)

Manufacturer: N/A

Description: IC MCU 16BIT 64KB FRAM 100LQFP

Data sheet:

RoHS Status: Lead free / RoHS Compliant

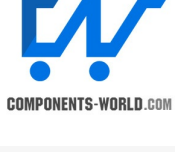
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |                                 |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP430FR6987IPZ                                                                          | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 64KB FRAM 100LQFP                                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 16096 pcs                                                                                | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP (14x14)                                                                         | Speed                           | 16MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP430™ FRAM                                                                             | RAM Size                        | 2K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FRAM                                                                                     | Program Memory Size             | 64KB (64K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                          | Packaging                       | Tray                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 100-LQFP                                                                                 | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                        | Number of I/O                   | 83                         |
| 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 64KB (64K x 8) FRAM 100-LQFP (14x14) | Data Converters                 | A/D 16x12b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                                   | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                | IPC, IrDA, SPI, UART/USART                                                               |                                 |                            |
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|  | Part#: <a href="#">MSP430FR6979IPZ</a><br>Description: IC MCU 16BIT 128KB FRAM 100LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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