

MSP430F5132IYFFR



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Part Number: [MSP430F5132IYFFR](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 8KB FLASH 40DSBGA](#)

Data sheet:

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                               |                                 |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F5132IYFFR                                                              | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 8KB FLASH 40DSBGA                                                | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 73474 pcs                                                                     | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 40-DSBGA                                                                      | Speed                           | 25MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430F5xx                                                                    | RAM Size                        | 1K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                         | Program Memory Size             | 8KB (8K x 8)               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                    | Packaging                       | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 40-UFBGA, DSBGA                                                               | Oscillator Type                 | Internal                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                                                             | Number of I/O                   | 31                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 2 (1 Year)                                                                    | Manufacturer Standard Lead Time | 20 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                    | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | CPUXV2 MSP430F5xx Microcontroller IC 16-Bit 25MHz 8KB (8K x 8) FLASH 40-DSBGA | Data Converters                 | A/D 11x10b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                        | Core Processor                  | CPUXV2                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | I <sup>2</sup> C, IrDA, SCI, SPI, UART/USART                                  |                                 |                            |
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