

MSP430F2252IRHAT



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Part Number: [MSP430F2252IRHAT](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F2252IRHAT                          | Manufacturer                     | N/A                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 16KB FLASH 40VQFN            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 41478 pcs                                 | Data sheet                       |                                                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 40-VQFN (6x6)                             | Speed                            | 16MHz                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430F2xx                                | RAM Size                         | 512 x 8                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size              | 16KB (16K x 8 + 256B)                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tape & Reel (TR)                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 40-VFQFN Exposed Pad                      | Other Names                      | 296-21451-2                                                                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                | 32                                        | 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 MSP430F2xx Microcontroller IC 16-Bit 16MHz 16KB (16K x 8 + 256B) FLASH 40-VQFN (6x6) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 12x10b                                | Core Size                        | 16-Bit                                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | MSP430                                    | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, SCI, SPI, UART/USART                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | MSP430F2252                               |                                  |                                                                                             |
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|  | Part#: <a href="#">MSP430F2234TRHAT</a><br>Description: <a href="#">IC MCU 16BIT 8KB FLASH 40VQFN</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MSP430F2252IYFFR</a><br>Description: <a href="#">IC MCU 16BIT 16KB FLASH 49DSBGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP430F2252TRHAR</a><br>Description: <a href="#">IC MCU 16BIT 16KB FLASH 40VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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