

MSP430I2030TRHBT



Part Number: [MSP430I2030TRHBT](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                   |                                 |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430I2030TRHBT                                                                  | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 16KB FLASH 32VQFN                                                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 48900 pcs                                                                         | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 2.2 V ~ 3.6 V              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 32-VQFN (5x5)                                                                     | Speed                           | 16.384Mhz                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430I2xx                                                                        | RAM Size                        | 1K x 8                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                             | Program Memory Size             | 16KB (16K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, PWM, WDT                                                  | Packaging                       | Tube                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 32-VFQFN Exposed Pad                                                              | Oscillator Type                 | External                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°C (TA)                                                                | Number of I/O                   | 16                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                             | 2 (1 Year)                                                                        | Manufacturer Standard Lead Time | 6 Weeks                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                        | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                         | MSP430I2xx Microcontroller IC 16-Bit 16.384Mhz 16KB (16K x 8) FLASH 32-VQFN (5x5) | Data Converters                 | A/D 3x24b Sigma-Delta      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                            | Core Processor                  | -                          |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | I <sup>2</sup> C, IrDA, SCI, SPI, UART/USART                                      |                                 |                            |
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