

MSP430F1491IRTDT



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Part Number: [MSP430F1491IRTDT](#)

Manufacturer: [N/A](#)

Description: [IC MCU 16BIT 60KB FLASH 64VQFN](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | MSP430F1491IRTDT                          | Manufacturer                     | N/A                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 60KB FLASH 64VQFN            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 17054 pcs                                 | Data sheet                       |                                                                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 64-VQFN (9x9)                             | Speed                            | 8MHz                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | MSP430x1xx                                | RAM Size                         | 2K x 8                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size              | 60KB (60K x 8 + 256B)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | POR, PWM, WDT                             | Packaging                        | Tape & Reel (TR)                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 64-VFQFN Exposed Pad                      | Other Names                      | 296-17147-2                                                                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                              | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description             | MSP430 MSP430x1xx Microcontroller IC 16-Bit 8MHz 60KB (60K x 8 + 256B) FLASH 64-VQFN (9x9) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | Slope A/D                                 | Core Size                        | 16-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | MSP430                                    | Connectivity                     | SPI, UART/USART                                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | MSP430F1491                               |                                  |                                                                                            |
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