

MSP432P401RIPZR



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Part Number: [MSP432P401RIPZR](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 256KB FLASH 100LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                  |                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                 | MSP432P401RIPZR                           | Manufacturer                     | N/A                                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 32BIT 256KB FLASH 100LQFP          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                          | 20458 pcs                                 | Data sheet                       |                                                                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.7 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                     | 100-LQFP (14x14)                          | Speed                            | 48MHz                                                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                      | MSP432™                                   | RAM Size                         | 64K x 8                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                     | Program Memory Size              | 256KB (256K x 8)                                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                 | DMA, POR, PWM, WDT                        | Packaging                        | Tape & Reel (TR)                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                              | 100-LQFP                                  | Other Names                      | 296-44715-2<br>MSP432P401RIPZR-ND                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                               | 84                                        | 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             | ARM® Cortex®-M4F MSP432™ Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 26x14b                                | Core Size                        | 32-Bit                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                              | ARM® Cortex®-M4F                          | Connectivity                     | I²C, IrDA, SPI, UART/USART                                                                       |
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|  | Part#: <a href="#">MSP432P401MIRGCT</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 64VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MSP432P4011TRGCR</a><br>Description: <a href="#">MICROCONTROLLER</a>                  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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