

LM3S1N16-IQR50-C1



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Part Number: [LM3S1N16-IQR50-C1](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 64KB FLASH 64LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                |                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | LM3S1N16-IQR50-C1                          | Manufacturer                   | N/A                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 64KB FLASH 64LQFP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 20870 pcs                                  | Data sheet                     |                                                                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)     | 1.08 V ~ 3.6 V                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 64-LQFP (10x10)                            | Speed                          | 50MHz                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | Stellaris® ARM® Cortex®-M3S 1000           | RAM Size                       | 12K x 8                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                      | Program Memory Size            | 64KB (64K x 8)                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                      | Tray                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 64-LQFP                                    | Oscillator Type                | Internal                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                          | Number of I/O                  | 33                                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                          | Detailed Description           | ARM® Cortex®-M3 Stellaris® ARM® Cortex®-M3S 1000 Microcontroller IC 32-Bit 50MHz 64KB (64K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 8x10b                                  | Core Size                      | 32-Bit                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                | ARM® Cortex®-M3                            | Connectivity                   | I²C, IrDA, LINbus, Microwire, SPI, SSI, UART/USART                                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                              | LM3S1N16                                   |                                |                                                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                                           |                                    |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">LM3S1N16-IQR50-C5</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1P51-IBZ80-C5T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N11-IQC50-C0</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N16-IQR50-C0</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N16-IQR50-C5T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N16-IQR50-C1T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1P51-IQC80-C3</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1P51-IBZ80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N16-IQR50-C0T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1P51-IBZ80-C3</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1P51-IBZ80-C5</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N11-IQC50-C1</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N11-IQC50-C5</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1N11-IQC50-C1T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S1N11-IQC50-C5T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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