

LM3S301-EQN20-C2



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Part Number: [LM3S301-EQN20-C2](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 16KB FLASH 48LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S301-EQN20-C2                          | Manufacturer                   | N/A                                                                                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 16KB FLASH 48LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 18209 pcs                                 | Data sheet                     |                                                                                                                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 48-LQFP (7x7)                             | Speed                          | 20MHz                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | Stellaris® ARM® Cortex®-M3S 300           | RAM Size                       | 2K x 8                                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tray                                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 48-LQFP                                   | Oscillator Type                | Internal                                                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 105°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 300 Microcontroller IC 32-Bit 20MHz 16KB (16K x 8) FLASH 48-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 3x10b                                 | Core Size                      | 32-Bit                                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3                           | Connectivity                   | Microwire, SPI, SSI, UART/USART                                                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | LM3S301                                   |                                |                                                                                                                    |
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|  | Part#: <a href="#">LM3S301-EQN20-C2T</a><br>Description: <a href="#">IC MCU 32BIT 16KB FLASH 48LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S301-IQN20-C2T</a><br>Description: <a href="#">IC MCU 32BIT 16KB FLASH 48LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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