

LM3S5R31-IQC80-C5



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**Part Number:** [LM3S5R31-IQC80-C5](#)

**Manufacturer:** N/A

**Description:** IC MCU 32BIT 256KB FLASH 100LQFP

**Data sheet:**

**RoHs Status:** Lead free / RoHS Compliant

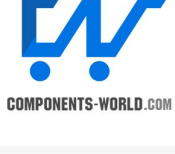
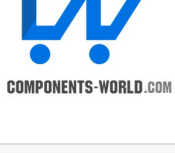
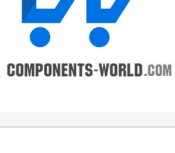
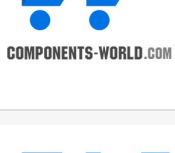
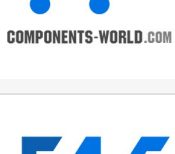
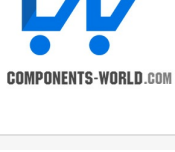
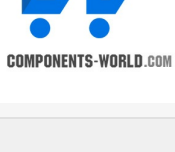
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                          |                                  |                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                   | LM3S5R31-IQC80-C5                                                                                                        | Manufacturer                     | N/A                               |
| Description                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 256KB FLASH 100LQFP                                                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                            | 5237 pcs                                                                                                                 | Data sheet                       |                                   |
| Category                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                                                | Voltage - Supply (Vcc/Vdd)       | 1.08 V ~ 1.32 V                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                       | 100-LQFP (14x14)                                                                                                         | Speed                            | 80MHz                             |
| Series                                                                                                                                                                                                                                                                                                                                                                        | Stellaris® ARM® Cortex®-M3S 5000                                                                                         | RAM Size                         | 48K x 8                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                                                    | Program Memory Size              | 256KB (256K x 8)                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                          | Packaging                        | Tray                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                | 100-LQFP                                                                                                                 | Other Names                      | 296-36031<br>LM3S5R31-IQC80-C5-ND |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                               | Internal                                                                                                                 | Operating Temperature            | -40°C ~ 85°C (TA)                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                 | 67                                                                                                                       | 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 5000 Microcontroller IC 32-Bit 80MHz 256KB (256K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 16x10b                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                                                   | Core Processor                   | ARM® Cortex®-M3                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                  | CANbus, EBI/EMI, I²C, IrDA, LINbus, Microwire, QEI, SPI, SSI, UART/USART, USB                                            | Base Part Number                 | LM3S5R31                          |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                    |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------|---------------------|
|  | Part#: <a href="#">LM3S5R31-IBZ80-C3</a><br>Description: IC MCU 32BIT 256KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C3T</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IBZ80-C1T</a><br>Description: IC MCU 32BIT 256KB FLASH 108BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IQC80-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IQC80-C0T</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C0</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5T36-IQR80-C0</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP    | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C1</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5T36-IQR80-C0T</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IQC80-C5T</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IBZ80-C5T</a><br>Description: IC MCU 32BIT 256KB FLASH 108BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C0T</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IBZ80-C5</a><br>Description: IC MCU 32BIT 256KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C5</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IBZ80-C3T</a><br>Description: IC MCU 32BIT 256KB FLASH 108BGA  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R36-IQR80-C5T</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S5R31-IQC80-C1</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5R31-IQC80-C3T</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |

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