

LM3S5K31-IQC80-C5



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Part Number: [LM3S5K31-IQC80-C5](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 128KB FLASH 100LQFP](#)

Data sheet:

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

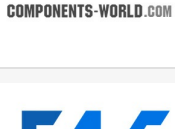
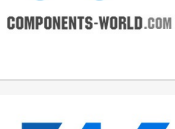
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                          |                                  |                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S5K31-IQC80-C5                                                                                                        | Manufacturer                     | N/A                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 128KB FLASH 100LQFP                                                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4215 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                         | 24K x 8                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                                    | Program Memory Size              | 128KB (128K x 8)                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                               | Packaging                        | Tray                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 100-LQFP                                                                                                                 | Other Names                      | 296-32635<br>LM3S5K31-IQC80-C5-ND<br>LM3S5K31IQC80C5 |
| 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 128KB (128K x 8) FLASH 100-LQFP (14x14) | Data Converters                  | A/D 16x10b                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                                                   | Core Processor                   | ARM® Cortex®-M3                                      |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | CANbus, I²C, IrDA, LINbus, Microwire, QEI, SPI, SSI, UART/USART, USB                                                     | Base Part Number                 | LM3S5K31                                             |
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|  | Part#: <a href="#">LM3S5K36-IQR80-C0T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K36-IQR80-C0</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IQC80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S5K31-IBZ80-C5T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IQC80-C1</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IBZ80-C3</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5P31-IBZ80-C1T</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IQC80-C0T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K36-IQR80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 64LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IQC80-C1T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S5P31-IBZ80-C1</a><br>Description: <a href="#">IC MCU 32BIT 64KB FLASH 108BGA</a>    | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IBZ80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K31-IQC80-C0</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S5K36-IQR80-C3</a><br>Description: <a href="#">IC MCU 32BIT 128KB FLASH 64LQFP</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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