

LM3S9B81-IQC80-C3T



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Part Number: [LM3S9B81-IQC80-C3T](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |                                |                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | LM3S9B81-IQC80-C3T                              | Manufacturer                   | N/A                                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 256KB FLASH 100LQFP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 5309 pcs                                        | Data sheet                     |                                                                                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>       | Voltage - Supply (Vcc/Vdd)     | 1.235 V ~ 1.365 V                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 100-LQFP (14x14)                                | Speed                          | 80MHz                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | Stellaris® ARM® Cortex®-M3S 9000                | RAM Size                       | 96K x 8                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                           | Program Memory Size            | 256KB (256K x 8)                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | Packaging                      | Tape & Reel (TR)                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                | 100-LQFP                                        | Oscillator Type                | Internal                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                               | Number of I/O                  | 65                                                                                                                       |
| 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 9000 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, Ethernet, I²C, IrDA, LINbus, Microwire, SPI, SSI, UART/USART, USB OTG                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                              | LM3S9B81                                        |                                |                                                                                                                          |
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|  | Part#: <a href="#">LM3S9997-IQC80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9B90-IBZ80-C5T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9997-IQC80-C5T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S9997-IQC80-C5</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9B90-IBZ80-C1T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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