

LM3S9DN6-IQC80-A1



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Part Number: [LM3S9DN6-IQC80-A1](#)

Manufacturer: N/A

Description: IC MCU 32BIT 512KB FLASH 100LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                 |                                |                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S9DN6-IQC80-A1                               | Manufacturer                   | N/A                                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 512KB FLASH 100LQFP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 5074 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            | 512KB (512K x 8)                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT | Packaging                      | Tray                                                                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 100-LQFP                                        | Oscillator Type                | Internal                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                               | Number of I/O                  | 72                                                                                                                       |
| 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 512KB (512K x 8) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 16x12b                                      | Core Size                      | 32-Bit                                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3                                 | Connectivity                   | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, Microwire, QEI, SPI, SSI, UART/USART, USB OTG                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | LM3S9DN6                                        |                                |                                                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                    |                |
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|  | Part#: <a href="#">LM3S9DN6-IBZ80-A1T</a><br>Description: IC MCU 32BIT 512KB FLASH 108BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9G97-IBZ80-A2T</a><br>Description: IC MCU 32BIT 384KB FLASH 108BGA  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9G97-IBZ80-A2</a><br>Description: IC MCU 32BIT 384KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9DN5-IQC80-A2</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S9DN6-IBZ80-A2</a><br>Description: IC MCU 32BIT 512KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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