

LM3S610-IQN50-C2



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Part Number: [LM3S610-IQN50-C2](#)

Manufacturer: [N/A](#)

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

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |                                  |                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S610-IQN50-C2                                                                                                   | Manufacturer                     | N/A                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 32KB FLASH 48LQFP                                                                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 20093 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                            | 50MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | Stellaris® ARM® Cortex®-M3S 600                                                                                    | RAM Size                         | 8K x 8                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                              | Program Memory Size              | 32KB (32K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT                                                                              | Packaging                        | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 48-LQFP                                                                                                            | Other Names                      | 726-1009<br>LM3S610-IQN50<br>LM3S610IQN50C2 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                | 34                                                                                                                 | 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 600 Microcontroller IC 32-Bit 50MHz 32KB (32K x 8) FLASH 48-LQFP (7x7) | Data Converters                  | A/D 2x10b                                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                                             | Core Processor                   | ARM® Cortex®-M3                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | PC, Microwire, SPI, SSI, UART/USART                                                                                | Base Part Number                 | LM3S610                                     |
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