

LM3S8538-IQC50-A2T



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Part Number: [LM3S8538-IQC50-A2T](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 96KB FLASH 100LQFP](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                        |                                 |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                   | LM3S8538-IQC50-A2T                                                                                                     | Manufacturer                    | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 96KB FLASH 100LQFP                                                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                            | 4912 pcs                                                                                                               | Data sheet                      |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                                              | Voltage - Supply (Vcc/Vdd)      | 2.25 V ~ 2.75 V            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                       | 100-LQFP (14x14)                                                                                                       | Speed                           | 50MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                        | Stellaris® ARM® Cortex®-M3S 8000                                                                                       | RAM Size                        | 64K x 8                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                                                  | Program Memory Size             | 96KB (96K x 8)             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, 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                   | 36                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                                                          | Manufacturer Standard Lead Time | 20 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                                             | EEPROM Size                     | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M3 Stellaris® ARM® Cortex®-M3S 8000 Microcontroller IC 32-Bit 50MHz 96KB (96K x 8) FLASH 100-LQFP (14x14) | Data Converters                 | A/D 8x10b                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                                                 | Core Processor                  | ARM® Cortex®-M3            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                  | CANbus, Ethernet, I²C, IrDA, Microwire, SPI, SSI, UART/USART                                                           | Base Part Number                | LM3S8538                   |
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