

LM3S2601-IBZ50-A2



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**Part Number:** [LM3S2601-IBZ50-A2](#)

**Manufacturer:** N/A

**Description:** IC MCU 32BIT 128KB FLASH 108BGA

**Data sheet:**

**RoHs Status:** Lead free / RoHS Compliant

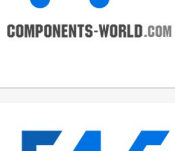
**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |                                  |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S2601-IBZ50-A2                                                                                                       | Manufacturer                     | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 128KB FLASH 108BGA                                                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 5954 pcs                                                                                                                | Data sheet                       |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                                               | Voltage - Supply (Vcc/Vdd)       | 2.25 V ~ 2.75 V            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 108-BGA (10x10)                                                                                                         | Speed                            | 50MHz                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | Stellaris® ARM® Cortex®-M3S 2000                                                                                        | RAM Size                         | 32K x 8                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                                   | Program Memory Size              | 128KB (128K x 8)           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT                                                                                   | Packaging                        | Tray                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 108-LFBGA                                                                                                               | Other Names                      | 296-25690                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                                                                                                | Operating Temperature            | -40°C ~ 85°C (TA)          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                | 60                                                                                                                      | 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 2000 Microcontroller IC 32-Bit 50MHz 128KB (128K x 8) FLASH 108-BGA (10x10) | Data Converters                  | -                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit                                                                                                                  | Core Processor                   | ARM® Cortex®-M3            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                 | CANbus, I²C, IrDA, Microwire, SPI, SSI, UART/USART                                                                      | Base Part Number                 | LM3S2601                   |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                    |                |
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|  | Part#: <a href="#">LM3S2432-IQC50-A2T</a><br>Description: IC MCU 32BIT 96KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2608-EQC50-A2</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2608-IBZ50-A2</a><br>Description: IC MCU 32BIT 128KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2601-EQC50-A2T</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S2601-EQC50-A2</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2616-IQR50-A0T</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2533-EQC50-A2T</a><br>Description: IC MCU 32BIT 96KB FLASH 100LQFP  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2608-EQC50-A2T</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2533-IBZ50-A2T</a><br>Description: IC MCU 32BIT 96KB FLASH 108BGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2616-IQR50-A0</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2432-IQC50-A2</a><br>Description: IC MCU 32BIT 96KB FLASH 100LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S2533-IQC50-A2</a><br>Description: IC MCU 32BIT 96KB FLASH 100LQFP   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

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