

LM3S1968-IBZ50-A2



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Part Number: [LM3S1968-IBZ50-A2](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 256KB FLASH 108BGA](#)

Data sheet:

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

Ship From: [Hong Kong](#)

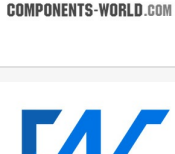
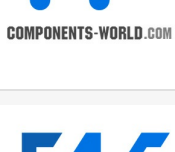
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| PRODUCT PARAMETER              |                                                                                                                         |                                  |                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------|
| Part Number                    | LM3S1968-IBZ50-A2                                                                                                       | Manufacturer                     | N/A                                           |
| Description                    | IC MCU 32BIT 256KB FLASH 108BGA                                                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                    |
| Quantity Available             | 5260 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 1000                                                                                        | RAM Size                         | 64K x 8                                       |
| Program Memory Type            | FLASH                                                                                                                   | Program Memory Size              | 256KB (256K x 8)                              |
| Peripherals                    | Brown-out Detect/Reset, POR, PWM, WDT                                                                                   | Packaging                        | Tray                                          |
| Package / Case                 | 108-LFBGA                                                                                                               | Other Names                      | 726-1142<br>LM3S1968-IBZ50<br>LM3S1968IBZ50A2 |
| Oscillator Type                | Internal                                                                                                                | Operating Temperature            | -40°C ~ 85°C (TA)                             |
| Number of I/O                  | 52                                                                                                                      | 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 1000 Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 108-BGA (10x10) | Data Converters                  | A/D 8x10b                                     |
| Core Size                      | 32-Bit                                                                                                                  | Core Processor                   | ARM® Cortex®-M3                               |
| Connectivity                   | I²C, IrDA, Microwire, QEI, SPI, SSI, UART/USART                                                                         | Base Part Number                 | LM3S1968                                      |

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|  | Part#: <a href="#">LM3S1B21-IBZ80-C3</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S1B21-IBZ80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S1960-EQC50-A2</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S1960-EQC50-A2T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LM3S1968-EQC50-A2</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LM3S1B21-IBZ80-C5</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
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