

LM3S1B21-IBZ80-C3



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Part Number: [LM3S1B21-IBZ80-C3](#)

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                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S1B21-IBZ80-C3                          | Manufacturer                   | N/A                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 256KB FLASH 108BGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 4510 pcs                                   | Data sheet                     |                                                                                                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)     | 1.08 V ~ 3.6 V                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                      | 108-BGA (10x10)                            | Speed                          | 80MHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                       | Stellaris® ARM® Cortex®-M3S 1000           | RAM Size                       | 96K x 8                                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                      | Program Memory Size            | 256KB (256K x 8)                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Packaging                      | Tray                                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 108-LFBGA                                  | Oscillator Type                | Internal                                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                          | Number of I/O                  | 67                                                                                                                      |
| 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 80MHz 256KB (256K x 8) FLASH 108-BGA (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 8x10b                                  | Core Size                      | 32-Bit                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3                            | Connectivity                   | EBI/EMI, I²C, IrDA, LINbus, Microwire, SPI, SSI, UART/USART                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | LM3S1B21                                   |                                |                                                                                                                         |
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|  | Part#: <a href="#">LM3S1968-IQC50-A2</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1B21-IQC80-C3</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1C21-IBZ80-A1</a><br>Description: <a href="#">IC MCU 32BIT 512KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1B21-IQC80-C5</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 100LQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LM3S1B21-IBZ80-C5</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1968-IBZ50-A2T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1960-IBZ50-A2T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1C21-IBZ80-A2</a><br>Description: <a href="#">IC MCU 32BIT 512KB FLASH 108BGA</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LM3S1B21-IBZ80-C3T</a><br>Description: <a href="#">IC MCU 32BIT 256KB FLASH 108BGA</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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