

LM3S6432-IBZ50-A2



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Part Number: [LM3S6432-IBZ50-A2](#)

Manufacturer: [N/A](#)

Description: [IC MCU 32BIT 96KB FLASH 108BGA](#)

Data sheet:

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                  |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                  | LM3S6432-IBZ50-A2                         | Manufacturer                     | N/A                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 96KB FLASH 108BGA            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                           | 5052 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 6000          | RAM Size                         | 32K x 8                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                     | Program Memory Size              | 96KB (96K x 8)                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                               | 108-LFBGA                                 | Other Names                      | 726-1155<br>LM3S6432-IBZ50                                                                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                | 43                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                              | 16 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description             | ARM® Cortex®-M3 Stellaris® ARM® Cortex®-M3S 6000 Microcontroller IC 32-Bit 50MHz 96KB (96K x 8) FLASH 108-BGA (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 3x10b                                 | Core Size                        | 32-Bit                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                               | ARM® Cortex®-M3                           | Connectivity                     | Ethernet, I²C, IrDA, Microwire, SPI, SSI, UART/USART                                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | LM3S6432                                  |                                  |                                                                                                                       |
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