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|  <p>Not Actual Photo<br/>YIC International Co., Limited.</p> | <h2>LM3S1636-IQC50-A2</h2>   |
|   | <p><b>Manufacturer Part Number:</b> LM3S1636-IQC50-A2</p> <p><b>Manufacturer/Brand:</b> N/A</p> <p><b>Part of Description:</b> IC MCU 32BIT 128KB FLASH 100LQFP</p> <p><b>RoHS Status:</b>  Lead free / RoHS</p> <p><b>Stock Condition:</b> <sup>Compliant</sup><br/>New original, 2731 pcs Stock Available.</p> <p><b>Ship From:</b> Hong Kong</p> <p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p> |
| <p>Image may be representation.<br/>See specs for product details.</p>  |  |

### Specifications

|                            |   |
|----------------------------|---|
| Part Number                | LM3S1636-IQC50-A2                                       |
| Manufacturer               | N/A   |
| Description                | IC MCU 32BIT 128KB FLASH 100LQFP                        |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 2731 pcs Stock  |
| Voltage - Supply (Vcc/Vdd) | 2.25 V ~ 3.6 V  |
| Supplier Device Package    | 100-LQFP (14x14)  |
| Speed                      | 50MHz   |
| Series                     | Stellaris® ARM® Cortex®-M3S 1000                        |
| 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             | 100-LQFP  |
| Oscillator Type            | Internal  |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       |
| Number of I/O              | 56  |
| EEPROM Size                | -   |
| Data Converters            | A/D 4x10b   |
| Core Size                  | 32-Bit  |
| Core Processor             | ARM® Cortex®-M3   |
| Connectivity               | I <sup>2</sup> C, IrDA, Microwire, SPI, SSI, UART/USART |

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