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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Not Actual Photo<br/>YIC International Co., Limited.</div></div> <div>Image may be representation.<br/>See specs for product details.</div> | <div>STM32L151CBU6A</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                        | <div><div>Manufacturer Part Number:</div><div>STM32L151CBU6A</div></div> <div><div>Manufacturer/Brand:</div><div>N/A</div></div> <div><div>Part of Description:</div><div>IC MCU 32BIT 128KB FLASH 48QFPN</div></div> <div><div>RoHs Status:</div><div>Lead free / RoHS</div></div> <div><div>Stock Condition:</div><div><div>Compliant</div><div>New original, 2295 pcs Stock Available.</div></div></div> <div><div>Ship From:</div><div>Hong Kong</div></div> <div><div>Shipment Way:</div><div>DHL/Fedex/TNT/UPS/EMS</div></div> |

| Specifications             |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | STM32L151CBU6A                                          |
| Manufacturer               | N/A                                                     |
| Description                | IC MCU 32BIT 128KB FLASH 48QFPN                         |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 2295 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 3.6 V                                           |
| Supplier Device Package    | 48-UFQFPN (7x7)                                         |
| Speed                      | 32MHz                                                   |
| Series                     | STM32 L1                                                |
| RAM Size                   | 32K x 8                                                 |
| Program Memory Type        | FLASH                                                   |
| Program Memory Size        | 128KB (128K x 8)                                        |
| Peripherals                | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT         |
| Packaging                  | Tray                                                    |
| Package / Case             | 48-UFQFN Exposed Pad                                    |
| Oscillator Type            | Internal                                                |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       |
| Number of I/O              | 37                                                      |
| EEPROM Size                | 4K x 8                                                  |
| Data Converters            | A/D 16x12b, D/A 2x12b                                   |
| Core Size                  | 32-Bit                                                  |
| Core Processor             | ARM® Cortex®-M3                                         |
| Connectivity               | I²C, IrDA, LIN, SPI, UART/USART, USB                    |
|                            |                                                         |

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