

FT51AL-R



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**Part Number:** [FT51AL-R](#)

**Manufacturer** [FTDI, Future Technology Devices International Ltd](#)

**Description** IC MCU 8BIT 16KB MTP 44LQFP

**Data sheet:**  [FT51A Series](#)

**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

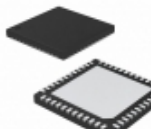
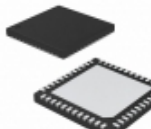
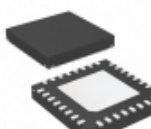
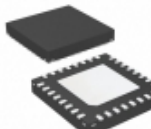
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER               |                                                                                                    |                                  |                                                                   |
|---------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------|
| Part Number                     | FT51AL-R                                                                                           | Manufacturer                     | <a href="#">FTDI, Future Technology Devices International Ltd</a> |
| Description                     | IC MCU 8BIT 16KB MTP 44LQFP                                                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                        |
| Quantity Available              | 32377 pcs                                                                                          | Data sheet                       | <a href="#">FT51A Series</a>                                      |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                                          | Voltage - Supply (Vcc/Vdd)       | Multi-Time Programmable (MTP)                                     |
| Voltage - Breakdown             | 44-LQFP (10x10)                                                                                    | Series                           | -                                                                 |
| RoHS Status                     | Tape & Reel (TR)                                                                                   | Reverse Recovery Time (trr)      | 48MHz                                                             |
| Requires                        | DMA, POR, PWM, WDT                                                                                 | Program Memory Type              | 16KB (16K x 8)                                                    |
| Program Memory Size             | 1C, SPI, UART/USART, USB                                                                           | Polarization                     | 44-LQFP                                                           |
| Oscillator Type                 | A/D 16x8b                                                                                          | Operating Temperature            | -40°C ~ 85°C (TA)                                                 |
| Operating System                | 8051                                                                                               | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                     |
| Manufacturer Standard Lead Time | 12 Weeks                                                                                           | Manufacturer Part Number         | FT51AL-R                                                          |
| Expanded Description            | 8051 - Microcontroller IC 8-Bit 48MHz 16KB (16K x 8) Multi-Time Programmable (MTP) 44-LQFP (10x10) | Description                      | IC MCU 8BIT 16KB MTP 44LQFP                                       |
| Data SRAM Bytes                 | -                                                                                                  | Data Converters                  | 3 V ~ 5.5 V                                                       |
| Core Size                       | 24K x 8                                                                                            | Controller Series                | Internal                                                          |
| Connectivity                    | 8-Bit                                                                                              | Clock Rate                       | 16                                                                |

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RFQ Email: [info@Components-World.com](mailto:info@Components-World.com)

| RELATED PRODUCTS                                                                   |                                                                                                  |                                                                                  |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">FT510GB</a><br>Description: IC REG LIN 3.3V 250MA SOT89-3LA                   | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT511AB</a><br>Description: IC REG LIN 1.2V 150MA SOT89-3LA                   | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT531CA</a><br>Description: IC REG LINEAR 1.5V 250MA SOT23-5                  | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT5-30-01.0-L-DV-TH-P-TR</a><br>Description: FT5 0.5MM PITCH RA TERMINAL ASSE | Manufacturers: <a href="#">Samtec, Inc.</a>                                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT511DB</a><br>Description: IC REG LIN 2.5V 150MA SOT89-3LA                   | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51CS-R</a><br>Description: IC MCU 8BIT 16KB MTP 28SSOP                      | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51AQ-R</a><br>Description: IC MCU 8BIT 16KB MTP 48QFN                       | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51AQ-T</a><br>Description: IC MCU 8BIT 16KB MTP 48QFN                       | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51A-EVM</a><br>Description: FT51 DEVELOPMENT BOARD SUPPORTS                 | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51AL-T</a><br>Description: IC MCU 8BIT 16KB MTP 44LQFP                      | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT531EA</a><br>Description: IC REG LINEAR 2.5V 250MA SOT23-5                  | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT531AA</a><br>Description: IC REG LINEAR 1.2V 250MA SOT23-5                  | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT5-30-03.0-L-DV-TH-P-TR</a><br>Description: FT5 0.5MM PITCH RA TERMINAL ASSE | Manufacturers: <a href="#">Samtec, Inc.</a>                                      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT510FB</a><br>Description: IC REG LINEAR 3V 250MA SOT89-3LA                  | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51CS-U</a><br>Description: IC MCU 8BIT 16KB MTP 28SSOP                      | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51BQ-T</a><br>Description: IC MCU 8BIT 16KB MTP 32QFN                       | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT510EB</a><br>Description: IC REG LIN 2.8V 250MA SOT89-3LA                   | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT511BB</a><br>Description: IC REG LIN 1.5V 150MA SOT89-3LA                   | Manufacturers: <a href="#">Fremont Micro Devices</a>                             | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT51BQ-R</a><br>Description: IC MCU 8BIT 16KB MTP 32QFN                       | Manufacturers: <a href="#">FTDI, Future Technology Devices International Ltd</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">FT5-30-01-L-RA-K-TR</a><br>Description: HIGH SPEED FLTNG CNTCT 30POS          | Manufacturers: <a href="#">Samtec, Inc.</a>                                      | <a href="#">RFQ</a> |

| Related keywords for FT51AL-R                        |                                                     |                                              |                                                   |
|------------------------------------------------------|-----------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| FTDI (Future Technology Devices International, Ltd.) | FT51AL-R distributor                                | FT51AL-R supplier                            | FT51AL-R price                                    |
| FT51AL-R                                             | FT51AL-R download datasheet                         | FT51AL-R datasheet                           | FT51AL-R stock                                    |
| buy FT51AL-R                                         | FTDI (Future Technology Devices International, Ltd) | Future Technology Devices International Ltd. | FTDI, Future Technology Devices International Ltd |
|                                                      | FT51AL-R                                            | FT51AL-R                                     | FT51AL-R                                          |
| Future Technology Devices International FT51AL-R     | Future Technology Devices International, Ltd.       |                                              |                                                   |
|                                                      | FT51AL-R                                            |                                              |                                                   |