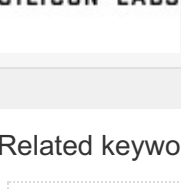


C8051F005R

|                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>SILICON LABS</div></div>                                                                                        | <div><div>SILICON LABS</div></div> <div>Part Number: <a href="#">C8051F005R</a></div> <div>Manufacturer: <a href="#">Energy Micro (Silicon Labs)</a></div> <div>Description: IC MCU 8BIT 32KB FLASH 64TQFP</div> <div>Data sheet:  <a href="#">C8051F0xx</a></div> | <div>RoHs Status: Contains lead / RoHS non-compliant</div> <div>Ship From: Hong Kong</div> <div>Shipment Way: DHL/Fedex/TNT/UPS/EMS</div> |
| <div>Images are for reference only.<br/>See Product Specifications for product details.<br/>Buy C8051F005R with confidence from Component-World.HK, 1 Year Warranty</div> <div>Request For Quotation</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                           |

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                    |                                  |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C8051F005R                                                                         | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 8BIT 32KB FLASH 64TQFP                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5625 pcs                                                                           | Data sheet                       | <a href="#">C8051F0xx</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-TQFP (10x10)                                                                    | Speed                            | 25MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C8051F00x                                                                          | RAM Size                         | 2.25K x 8                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                              | Program Memory Size              | 32KB (32K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                 | Packaging                        | Tape & Reel (TR)                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                                                            | Other Names                      | 336-1003-2                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32                                                                                 | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                | Contains lead / RoHS non-compliant                                                 | EEPROM Size                      | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8051 C8051F00x Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 64-TQFP (10x10) | Data Converters                  | A/D 8x12b, D/A 2x12b                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8-Bit                                                                              | Core Processor                   | 8051                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                                   | Base Part Number                 | C8051F00                                    |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 5625 pieces of Energy Micro (Silicon Labs) C8051F005R in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                    |                                  |                                             |

| RELATED PRODUCTS                                                                   |                                                                                      |                                                            |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">C8051F005DK-U</a><br>Description: DEV KIT FOR F005/006/007        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-K</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F010</a><br>Description: IC MCU 8BIT 32KB FLASH 64TQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F007-GQR</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F006-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005-TB-K</a><br>Description: BOARD PROTOTYPING W/C8051F005  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-B</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F007</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-J</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F006-GQR</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-H</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F006</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F007R</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-T</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-E</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F010-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK</a><br>Description: DEV KIT FOR F005/006/007          | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F006R</a><br>Description: IC MCU 8BIT 32KB FLASH 48QFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F005DK-A</a><br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F007-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

| Related keywords for C8051F005R        |                         |                                        |                                 |
|----------------------------------------|-------------------------|----------------------------------------|---------------------------------|
| Energy Micro (Silicon Labs) C8051F005R | C8051F005R distributor  | C8051F005R supplier                    | C8051F005R price                |
| C8051F005R download datasheet          | C8051F005R datasheet    | C8051F005R stock                       | buy C8051F005R                  |
| Energy Micro (Silicon Labs) C8051F005R | Energy Micro C8051F005R | Energy Micro (Silicon Labs) C8051F005R | Silicon Laboratories C8051F005R |
| Silicon Labs C8051F005R                |                         |                                        |                                 |