

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18LF8310T-I/PT

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18LF8310T-I/PT                                                                                                    |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 8BIT 8KB FLASH 80TQFP                                                                                         |
|                     |  1.PIC18LF8310T-I/PT.pdf            |
|                     |  2.PIC18LF8310T-I/PT.pdf            |
|                     |  3.PIC18LF8310T-I/PT.pdf            |
|                     |  4.PIC18LF8310T-I/PT.pdf            |
|                     |  5.PIC18LF8310T-I/PT.pdf            |
|                     |  6.PIC18LF8310T-I/PT.pdf            |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 6971 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of PIC18LF8310T-I/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18LF8310T-I/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 80TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 6971 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       |  1.PIC18LF8310T-I/PT.pdf<br> 2.PIC18LF8310T-I/PT.pdf<br> 3.PIC18LF8310T-I/PT.pdf<br> 4.PIC18LF8310T-I/PT.pdf<br> 5.PIC18LF8310T-I/PT.pdf<br> 6.PIC18LF8310T-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 80-TQFP (12x12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | PIC® 18F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 768 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 8KB (4K x 16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 80-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 8KB (4K x 16) FLASH 80-TQFP (12x12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DATA CONVERTERS                  | A/D 12x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | EBI/EMI, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASE PART NUMBER                 | PIC18LF8310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Related Tags

|                                                 |                                        |                                                          |
|-------------------------------------------------|----------------------------------------|----------------------------------------------------------|
| Micrel / Microchip Technology PIC18LF8310T-I/PT | PIC18LF8310T-I/PT Distributor          | PIC18LF8310T-I/PT Supplier                               |
| PIC18LF8310T-I/PT Price                         | PIC18LF8310T-I/PT Pictures             | PIC18LF8310T-I/PT Image                                  |
| PIC18LF8310T-I/PT PDF Datasheet                 | PIC18LF8310T-I/PT Download Datasheet   | PIC18LF8310T-I/PT Datasheet                              |
| PIC18LF8310T-I/PT Stock                         | Buy PIC18LF8310T-I/PT                  | Buy Micrel / Microchip Technology PIC18LF8310T-I/PT      |
| Micrel / Microchip Technology PIC18LF8310T-I/PT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor                |
| Micrel / Microchip Technology PIC18LF8310T-I/PT | Microchip Technology PIC18LF8310T-I/PT | Roving Networks / Microchip Technology PIC18LF8310T-I/PT |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>PIC18LF67K40T-I/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 128KB FLASH 64QFN<br>In stock: 51345 pcs<br><div>RFQ</div>  |  <b>PIC18LF8390T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 8KB FLASH 80TQFP<br>In stock: 2943 pcs<br><div>RFQ</div>   |
|  <b>PIC18LF8390-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 8KB FLASH 80TQFP<br>In stock: 24014 pcs<br><div>RFQ</div>     |  <b>PIC18LF8310-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 8KB FLASH 80TQFP<br>In stock: 24603 pcs<br><div>RFQ</div>   |
|  <b>PIC18LF8410-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 16KB FLASH 80TQFP<br>In stock: 20535 pcs<br><div>RFQ</div>    |  <b>PIC18LF8410T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 16KB FLASH 80TQFP<br>In stock: 6703 pcs<br><div>RFQ</div>  |
|  <b>PIC18LF67K40-E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br>In stock: 46583 pcs<br><div>RFQ</div>  |  <b>PIC18LF8393-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 8KB FLASH 80TQFP<br>In stock: 6062 pcs<br><div>RFQ</div>    |
|  <b>PIC18LF67K40T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br>In stock: 52224 pcs<br><div>RFQ</div> |  <b>PIC18LF8490-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 16KB FLASH 80TQFP<br>In stock: 18150 pcs<br><div>RFQ</div>  |
|  <b>PIC18LF67K40-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br>In stock: 38164 pcs<br><div>RFQ</div>  |  <b>PIC18LF67K40-I/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 128KB FLASH 64QFN<br>In stock: 54040 pcs<br><div>RFQ</div> |