



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18F458T-I/PT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18F458T-I/PT                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 32KB FLASH 44TQFP                                                                                |
|                     |  1.PIC18F458T-I/PT.pdf      |
|                     |  2.PIC18F458T-I/PT.pdf      |
|                     |  3.PIC18F458T-I/PT.pdf      |
|                     |  4.PIC18F458T-I/PT.pdf      |
|                     |  5.PIC18F458T-I/PT.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 12497 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

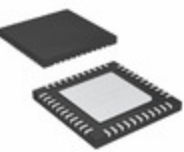
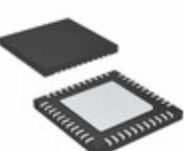
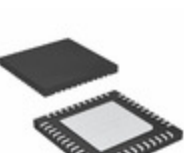
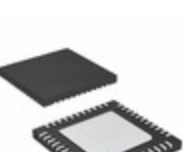
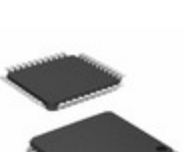
Specifications of PIC18F458T-I/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18F458T-I/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 44TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 12497 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       |  1.PIC18F458T-I/PT.pdf<br> 2.PIC18F458T-I/PT.pdf<br> 3.PIC18F458T-I/PT.pdf<br> 4.PIC18F458T-I/PT.pdf<br> 5.PIC18F458T-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | PIC® 18F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RAM SIZE                         | 1.5K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 32KB (16K x 16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PACKAGE / CASE                   | 44-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OTHER NAMES                      | PIC18F458T-I/PT-ND<br>PIC18F458T-I/PTTR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | External                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DETAILED DESCRIPTION             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 32KB (16K x 16) FLASH 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CONNECTIVITY                     | CANbus, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | PIC18F458                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology PIC18F458T-I/PT | PIC18F458T-I/PT Distributor            | PIC18F458T-I/PT Supplier                               |
| PIC18F458T-I/PT Price                         | PIC18F458T-I/PT Pictures               | PIC18F458T-I/PT Image                                  |
| PIC18F458T-I/PT PDF Datasheet                 | PIC18F458T-I/PT Download Datasheet     | PIC18F458T-I/PT Datasheet                              |
| PIC18F458T-I/PT Stock                         | Buy PIC18F458T-I/PT                    | Buy Micrel / Microchip Technology PIC18F458T-I/PT      |
| Micrel / Microchip Technology PIC18F458T-I/PT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology PIC18F458T-I/PT | Microchip Technology PIC18F458T-I/PT   | Roving Networks / Microchip Technology PIC18F458T-I/PT |

Related Products

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|  <div><b>PIC18F4585-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 17060 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC18F45J10T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: 44356 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC18F45J10-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: 40079 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC18F45J10-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 41258 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC18F458T-I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44PLCC<br/>In stock: 12557 pcs<br/><div>RFQ</div></div>   |  <div><b>PIC18F4585T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 17070 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC18F4585T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: 17504 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC18F4585-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 40DIP<br/>In stock: 15248 pcs<br/><div>RFQ</div></div>     |
|  <div><b>PIC18F45J10T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 3139 pcs<br/><div>RFQ</div></div> |  <div><b>PIC18F4585-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: 12824 pcs<br/><div>RFQ</div></div>    |
|  <div><b>PIC18F45J10-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 40DIP<br/>In stock: 46676 pcs<br/><div>RFQ</div></div>   |  <div><b>PIC18F45J10T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: 48184 pcs<br/><div>RFQ</div></div> |

