

PIC18F47K42T-I/PT





Part Number: [PIC18F47K42T-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 128KB FLASH 44TQFP

Data sheet:  [PIC18\(L\)F26 to 57K42 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

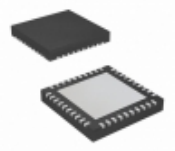
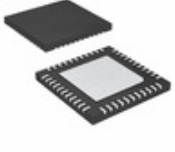
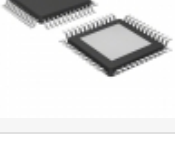
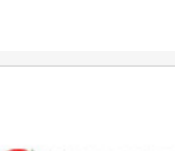
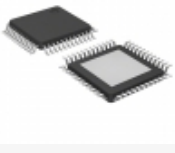
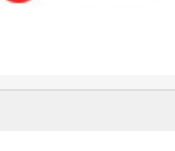
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                                  |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC18F47K42T-I/PT                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 128KB FLASH 44TQFP                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 46174 pcs                                        | Data sheet                       | <a href="#">PIC18(L)F26 to 57K42 Datasheet</a>                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>        | Voltage - Supply (Vcc/Vdd)       | 2.3 V ~ 5.5 V                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44-TQFP (10x10)                                  | Speed                            | 64MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC® XLP™ 18K                                    | RAM Size                         | 8K x 8                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                            | Program Memory Size              | 128KB (64K x 16)                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT | Packaging                        | Cut Tape (CT)                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44-TQFP                                          | Other Names                      | PIC18F47K42T-I/PTCT                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                         | Operating Temperature            | -40°C ~ 85°C (TA)                                                                       |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 36                                               | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 Weeks                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1K x 8                                           | Detailed Description             | PIC PIC® XLP™ 18K Microcontroller IC 8-Bit 64MHz 128KB (64K x 16) FLASH 44-TQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 35x12b, D/A 1x5b                             | Core Size                        | 8-Bit                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC                                              | Connectivity                     | I²C, LINbus, SPI, UART/USART                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                              |                |
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|  | Part#: <a href="#">PIC18F47K42-I/MV</a><br>Description: IC MCU 8BIT 128KB FLASH 40UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F47K42T-I/ML</a><br>Description: IC MCU 8BIT 128KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F56K42-I/PT</a><br>Description: FLASH, 4KB RAM                    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F47K42-I/P</a><br>Description: IC MCU 8BIT 128KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F55K42-E/MV</a><br>Description: 32KB FLASH, 2KB RAM, 256B EEPROM  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F56K42-E/MV</a><br>Description: 64KB FLASH, 4KB RAM, 256B EEPROM  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F55K42-I/MV</a><br>Description: 32KB FLASH, 2KB RAM, 256B EEPROM  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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