

PIC18F8527T-I/PT



Part Number: [PIC18F8527T-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 48KB FLASH 80TQFP

Data sheet:  [PIC18F6x2\(2,7\), 8x\(2,7\) Programming Specification](#)  
 [PIC18F8722 Family](#)  
 [Timer1 Errata](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                 |                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC18F8527T-I/PT                                                                  | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 48KB FLASH 80TQFP                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16490 pcs                                                                         | Data sheet                      | <a href="#">PIC18F6x2(2,7), 8x(2,7) Programming Specification</a><br><a href="#">PIC18F8722 Family</a><br><a href="#">Timer1 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 4.2 V ~ 5.5 V                                                                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-TQFP (12x12)                                                                   | Speed                           | 40MHz                                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 18F                                                                          | RAM Size                        | 3.8K x 8                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                             | Program Memory Size             | 48KB (24K 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)                                                                     | Manufacturer Standard Lead Time | 14 Weeks                                                                                                                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                        | EEPROM Size                     | 1K x 8                                                                                                                                  |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 48KB (24K x 16) FLASH 80-TQFP (12x12) | Data Converters                 | A/D 16x10b                                                                                                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                             | Core Processor                  | PIC                                                                                                                                     |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EBI/EMI, I²C, SPI, UART/USART                                                     | Base Part Number                | PIC18F8527                                                                                                                              |
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|  | Part#: <a href="#">PIC18F85J10T-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 80TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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