

| Specifications             |                                                         |
|----------------------------|---------------------------------------------------------|
| Part Number                | PIC18F46J53T-I/ML                                       |
| Manufacturer               | Micrel / Microchip Technology                           |
| Description                | IC MCU 8BIT 64KB FLASH 44QFN                            |
| Category                   | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                | 2618 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd) | 2.15 V ~ 3.6 V                                          |
| Supplier Device Package    | 44-QFN (8x8)                                            |
| Speed                      | 48MHz                                                   |
| Series                     | PIC® XLP™ 18J                                           |
| RAM Size                   | 3.8K x 8                                                |
| Program Memory Type        | FLASH                                                   |
| Program Memory Size        | 64KB (32K x 16)                                         |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT                   |
| Packaging                  | Tape & Reel (TR)                                        |
| Package / Case             | 44-VQFN Exposed Pad                                     |
| Oscillator Type            | Internal                                                |
| Operating Temperature      | -40°C ~ 85°C (TA)                                       |
| Number of I/O              | 34                                                      |
| EEPROM Size                | -                                                       |
| Data Converters            | A/D 13x10b/12b                                          |
| Core Size                  | 8-Bit                                                   |
| Core Processor             | PIC                                                     |
| Connectivity               | I²C, LIN, SPI, UART/USART, USB                          |

In:

**MICROCHIP**

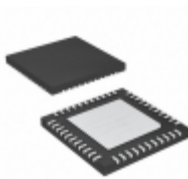
**PIC18F46J50-I/PT**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH  
44TQFP

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**MICROCHIP**

**PIC18F46K20-E/MV**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH  
40UQFN

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**PIC18F46J50T-I/ML**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH 44QFN

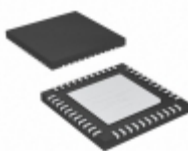
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**PIC18F46J53-I/PT**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH  
44TQFP

**PIC18F46K20-E/PT**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH  
44TQFP

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**PIC18F46J53-I/ML**  
Microchip Technology  
IC MCU 8BIT 64KB FLASH 44QFN

The image displays two Microchip PIC microcontrollers. The top microcontroller is a PIC18F46J53T-I/PT, which is a 44-pin QFP package. The bottom microcontroller is a PIC18F46K20-E/ML, which is a 44-pin QFN package. Both are shown against a white background with a subtle grid pattern. The Microchip logo is visible in the top right corner of the image area.

More

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