



Micrel / Microchip Technology

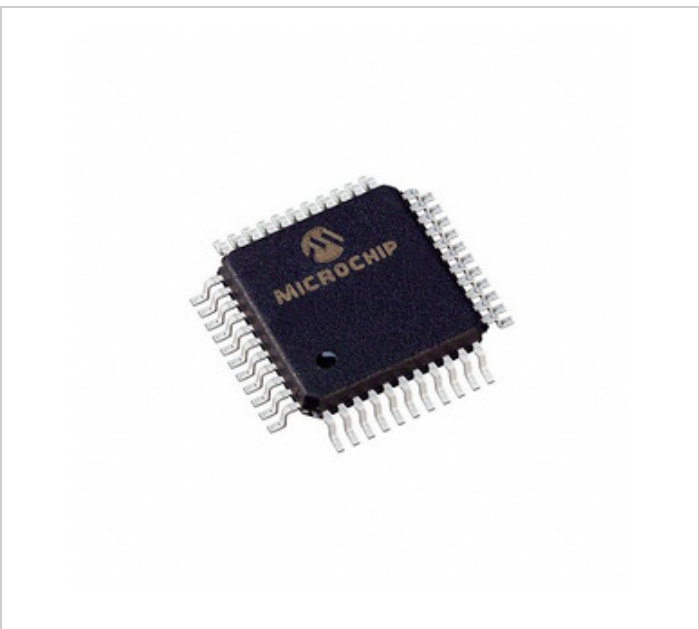


Image may be representation. See specifications for product details.

PIC16F877T-04/PQ

|                       |                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:          | PIC16F877T-04/PQ                                                                                             |
| Manufacturer/Brand:   | Micrel / Microchip Technology                                                                                |
| Product description   | IC MCU 8BIT 14KB FLASH 44MQFP                                                                                |
|                       |  1.PIC16F877T-04/PQ.pdf     |
|                       |  2.PIC16F877T-04/PQ.pdf     |
|                       |  3.PIC16F877T-04/PQ.pdf     |
|                       |  4.PIC16F877T-04/PQ.pdf     |
|                       |  5.PIC16F877T-04/PQ.pdf     |
|                       |  6.PIC16F877T-04/PQ.pdf     |
|                       |  7.PIC16F877T-04/PQ.pdf     |
|                       |  8.PIC16F877T-04/PQ.pdf     |
|                       |  9.PIC16F877T-04/PQ.pdf     |
| Datasheets:           |                                                                                                              |
| RoHs Status           |  Lead free / RoHS Compliant |
| Request for quotation | 4081 pcs stock                                                                                               |
| Ship From             | Hong Kong                                                                                                    |
| Shipment Way          | DHL/Fedex/TNT/UPS/EMS                                                                                        |

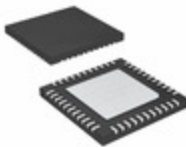
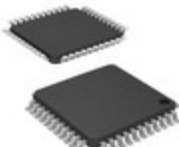
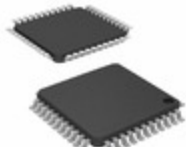
Specifications of PIC16F877T-04/PQ

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F877T-04/PQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DESCRIPTION                      | IC MCU 8BIT 14KB FLASH 44MQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| QUANTITY AVAILABLE               | 4081 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       |  1.PIC16F877T-04/PQ.pdf<br> 2.PIC16F877T-04/PQ.pdf<br> 3.PIC16F877T-04/PQ.pdf<br> 4.PIC16F877T-04/PQ.pdf<br> 5.PIC16F877T-04/PQ.pdf<br> 6.PIC16F877T-04/PQ.pdf<br> 7.PIC16F877T-04/PQ.pdf<br> 8.PIC16F877T-04/PQ.pdf<br> 9.PIC16F877T-04/PQ.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 44-MQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPEED                            | 4MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SERIES                           | PIC® 16F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 368 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY SIZE              | 14KB (8K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 44-QFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | External                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OPERATING TEMPERATURE            | 0°C ~ 70°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® 16F Microcontroller IC 8-Bit 4MHz 14KB (8K x 14) FLASH 44-MQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | PIC16F877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC16F877T-04/PQ | PIC16F877T-04/PQ Distributor           | PIC16F877T-04/PQ Supplier                               |
| PIC16F877T-04/PQ Price                         | PIC16F877T-04/PQ Pictures              | PIC16F877T-04/PQ Image                                  |
| PIC16F877T-04/PQ PDF Datasheet                 | PIC16F877T-04/PQ Download Datasheet    | PIC16F877T-04/PQ Datasheet                              |
| PIC16F877T-04/PQ Stock                         | Buy PIC16F877T-04/PQ                   | Buy Micrel / Microchip Technology PIC16F877T-04/PQ      |
| Micrel / Microchip Technology PIC16F877T-04/PQ | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16F877T-04/PQ | Microchip Technology PIC16F877T-04/PQ  | Roving Networks / Microchip Technology PIC16F877T-04/PQ |

Related Products

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|  <div><b>PIC16F877T-04I/PQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44MQFP<br/>In stock: 4060 pcs<br/><div>RFQ</div></div> |  <div><b>PIC16F877T-04I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44PLCC<br/>In stock: 6921 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC16F877AT-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44QFN<br/>In stock: 15662 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC16F877A-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44TQFP<br/>In stock: 17898 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC16F877AT-I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44PLCC<br/>In stock: 15812 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC16F877AT-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44TQFP<br/>In stock: 15526 pcs<br/><div>RFQ</div></div> |
|  <div><b>PIC16F877T-04E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44TQFP<br/>In stock: 3556 pcs<br/><div>RFQ</div></div> |  <div><b>PIC16F877T-04/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44PLCC<br/>In stock: 14074 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC16F877AT-I/PTG</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44TQFP<br/>In stock: 6136 pcs<br/><div>RFQ</div></div> |  <div><b>PIC16F877T-04E/PQ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44MQFP<br/>In stock: 3314 pcs<br/><div>RFQ</div></div> |
|  <div><b>PIC16F877T-04/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44TQFP<br/>In stock: 4463 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC16F877T-04E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 44PLCC<br/>In stock: 5937 pcs<br/><div>RFQ</div></div>  |

