

 **Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

**PIC16F877T-20/PT**

Part Number:

PIC16F877T-20/PT

Manufacturer/Brand:

Micrel / Microchip Technology

Product description

IC MCU 8BIT 14KB FLASH 44TQFP

Datasheets:

 1.PIC16F877T-20/PT.pdf

 2.PIC16F877T-20/PT.pdf

 3.PIC16F877T-20/PT.pdf

 4.PIC16F877T-20/PT.pdf

 5.PIC16F877T-20/PT.pdf

 6.PIC16F877T-20/PT.pdf

 7.PIC16F877T-20/PT.pdf

 8.PIC16F877T-20/PT.pdf

 9.PIC16F877T-20/PT.pdf

RoHs Status

 Lead free / RoHS Compliant

REQUEST FOR QUOTATION

10822 pcs stock

Shipment Way

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

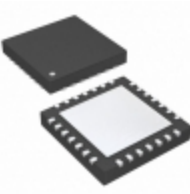
Specifications of PIC16F877T-20/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F877T-20/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC MCU 8BIT 14KB FLASH 44TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 10822 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       | <div> 1.PIC16F877T-20/PT.pdf</div> <div> 2.PIC16F877T-20/PT.pdf</div> <div> 3.PIC16F877T-20/PT.pdf</div> <div> 4.PIC16F877T-20/PT.pdf</div> <div> 5.PIC16F877T-20/PT.pdf</div> <div> 6.PIC16F877T-20/PT.pdf</div> <div> 7.PIC16F877T-20/PT.pdf</div> <div> 8.PIC16F877T-20/PT.pdf</div> <div> 9.PIC16F877T-20/PT.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SPEED                            | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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 20MHz 14KB (8K x 14) FLASH 44-TQFP (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-20/PT | PIC16F877T-20/PT Distributor           | PIC16F877T-20/PT Supplier                               |
| PIC16F877T-20/PT Price                         | PIC16F877T-20/PT Pictures              | PIC16F877T-20/PT Image                                  |
| PIC16F877T-20/PT PDF Datasheet                 | PIC16F877T-20/PT Download Datasheet    | PIC16F877T-20/PT Datasheet                              |
| PIC16F877T-20/PT Stock                         | Buy PIC16F877T-20/PT                   | Buy Micrel / Microchip Technology PIC16F877T-20/PT      |
| Micrel / Microchip Technology PIC16F877T-20/PT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16F877T-20/PT | Microchip Technology PIC16F877T-20/PT  | Roving Networks / Microchip Technology PIC16F877T-20/PT |

Related Products

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| <div></div> <div><b>PIC16F877T-10E/L</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44PLCC</div> <div>In stock: 6043 pcs</div> <div>RFQ</div>   | <div></div> <div><b>PIC16F877T-20I/L</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44PLCC</div> <div>In stock: 12605 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>PIC16F877T-04I/PT</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44TQFP</div> <div>In stock: 6460 pcs</div> <div>RFQ</div>  | <div></div> <div><b>PIC16F877T-10E/PT</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44TQFP</div> <div>In stock: 5276 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>PIC16F877T-20/PQ</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44MQFP</div> <div>In stock: 4224 pcs</div> <div>RFQ</div>   | <div></div> <div><b>PIC16F87T-E/SS</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 20SSOP</div> <div>In stock: 4684 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>PIC16F87T-E/ML</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 28QFN</div> <div>In stock: 6777 pcs</div> <div>RFQ</div>       | <div></div> <div><b>PIC16F87T-E/SO</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 18SOIC</div> <div>In stock: 27850 pcs</div> <div>RFQ</div>     |
| <div></div> <div><b>PIC16F877T-20/L</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44PLCC</div> <div>In stock: 11257 pcs</div> <div>RFQ</div>   | <div></div> <div><b>PIC16F877T-10E/PQ</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44MQFP</div> <div>In stock: 4012 pcs</div> <div>RFQ</div>  |
| <div></div> <div><b>PIC16F877T-20I/PT</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44TQFP</div> <div>In stock: 10223 pcs</div> <div>RFQ</div> | <div></div> <div><b>PIC16F877T-20I/PQ</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44MQFP</div> <div>In stock: 10491 pcs</div> <div>RFQ</div> |

