

 **Micrel / Microchip Technology**



Image may be representation. See specifications for product details.

PIC16F87T-E/SS

Part Number: PIC16F87T-E/SS

Manufacturer/Brand: Micrel / Microchip Technology

Product description: IC MCU 8BIT 7KB FLASH 20SSOP

1.PIC16F87T-E/SS.pdf

2.PIC16F87T-E/SS.pdf

3.PIC16F87T-E/SS.pdf

4.PIC16F87T-E/SS.pdf

5.PIC16F87T-E/SS.pdf

6.PIC16F87T-E/SS.pdf

7.PIC16F87T-E/SS.pdf

8.PIC16F87T-E/SS.pdf

9.PIC16F87T-E/SS.pdf

10.PIC16F87T-E/SS.pdf

REQUEST FOR QUOTATION

 Lead free / RoHS Compliant

4684 pcs stock

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

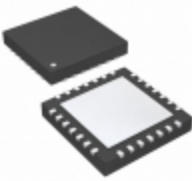
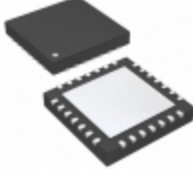
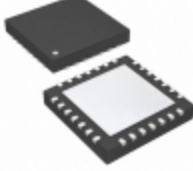
Specifications of PIC16F87T-E/SS

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F87T-E/SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DESCRIPTION                      | IC MCU 8BIT 7KB FLASH 20SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| QUANTITY AVAILABLE               | 4684 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       | <div><div> 1.PIC16F87T-E/SS.pdf</div><div> 2.PIC16F87T-E/SS.pdf</div><div> 3.PIC16F87T-E/SS.pdf</div><div> 4.PIC16F87T-E/SS.pdf</div><div> 5.PIC16F87T-E/SS.pdf</div><div> 6.PIC16F87T-E/SS.pdf</div><div> 7.PIC16F87T-E/SS.pdf</div><div> 8.PIC16F87T-E/SS.pdf</div><div> 9.PIC16F87T-E/SS.pdf</div><div> 10.PIC16F87T-E/SS.pdf</div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 20-SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SPEED                            | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SERIES                           | PIC® 16F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 368 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY SIZE              | 7KB (4K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 20-SSOP (0.209", 5.30mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NUMBER OF I/O                    | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EEPROM SIZE                      | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 7KB (4K x 14) FLASH 20-SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | PIC16F87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology PIC16F87T-E/SS | PIC16F87T-E/SS Distributor             | PIC16F87T-E/SS Supplier                               |
| PIC16F87T-E/SS Price                         | PIC16F87T-E/SS Pictures                | PIC16F87T-E/SS Image                                  |
| PIC16F87T-E/SS PDF Datasheet                 | PIC16F87T-E/SS Download Datasheet      | PIC16F87T-E/SS Datasheet                              |
| PIC16F87T-E/SS Stock                         | Buy PIC16F87T-E/SS                     | Buy Micrel / Microchip Technology PIC16F87T-E/SS      |
| Micrel / Microchip Technology PIC16F87T-E/SS | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology PIC16F87T-E/SS | Microchip Technology PIC16F87T-E/SS    | Roving Networks / Microchip Technology PIC16F87T-E/SS |

Related Products

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |
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| <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>PIC16F87T-I/ML</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 28QFN</div> <div>In stock: 5412 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>PIC16F88-E/SO</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 18SOIC</div> <div>In stock: 22296 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>PIC16F87T-I/SO</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 18SOIC</div> <div>In stock: 39205 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> | <div></div> <div><b>PIC16F87T-I/SS</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 20SSOP</div> <div>In stock: 33501 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>PIC16F88-E/P</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 18DIP</div> <div>In stock: 24275 pcs</div> <div>RFQ</div>        |
| <div></div> <div><b>PIC16F88-E/ML</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 7KB FLASH 28QFN</div> <div>In stock: 25634 pcs</div> <div>RFQ</div>       | <div></div> <div><b>PIC16F877T-20/PT</b></div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 8BIT 14KB FLASH 44TQFP</div> <div>In stock: 10822 pcs</div> <div>RFQ</div>  |

