

Image may be representation.  
See specifications for product details.



## PIC16F1783T-I/MV

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>PIC16F1783T-I/MV</b>  |
| Manufacturer             | <b>Microchip Technology</b>                                    |
| Allelco Part Number      | 32D-PIC16F1783T-I/MV   |
| ECAD Model               | Request Free CAD Models  |
| Parts Description        | IC MCU 8BIT 7KB FLASH 28UQFN                                   |
| Package                  | 28-UQFN Exposed Pad  |
| Data sheet               | <b>PIC16(L)F1782,83.pdf</b><br><b>PIC16F178(2,3) Brief.pdf</b> |
| RoHs Status              | <b>ROHS3 Compliant</b>   |

**Get a Quote**

PIC16F1783T-I/MV - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F1783T-I/MV datasheet/specifications on AllelcoElec.com.  
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## Specifications

PIC16F1783T-I/MV Tech Specifications

PIC16F1783T-I/MV - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                             | Product Attribute     | Attribute Value              |
|----------------------------|---|-----------------------|------------------------------|
| Manufacturer               | Microchip Technology                        | Oscillator Type       | Internal                     |
| Voltage - Supply (Vcc/Vdd) | 2.3V ~ 5.5V                                 | Operating Temperature | -40°C ~ 85°C (TA)            |
| Supplier Device Package    | 28-UQFN (4x4)                               | Number of I/O         | 24                           |
| Speed                      | 32MHz                                       | Mounting Type         | Surface Mount                |
| Series                     | PIC® XLP™ 16F                               | EEPROM Size           | 256 x 8                      |
| RAM Size                   | 512 x 8                                     | Data Converters       | A/D 11x12b; D/A 1x8b         |
| Program Memory Type        | FLASH                                       | Core Size             | 8-Bit                        |
| Program Memory Size        | 7KB (4K x 14)                               | Core Processor        | PIC                          |
| Peripherals                | Brown-out Detect/Reset, POR, PSMC, PWM, WDT | Connectivity          | I²C, LINbus, SPI, UART/USART |
| Package / Case             | 28-UQFN Exposed Pad                         | Base Product Number   | PIC16F1783                   |
| Package                    | Tape & Reel (TR)                            |                       |                              |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1783T-I/MV

| Product Attribute          |   |   |                                       |   |
|----------------------------|---|---|---------------------------------------|---|
| Part Number                | PIC16F1783T-I/MV                            | <b>PIC16F1786-I/SS</b>                      | <b>PIC16F1779-I/PT</b>                | <b>PIC16F1783-I/SS</b>                      |
| Manufacturer               | Microchip Technology                        | Microchip Technology                        | Microchip Technology                  | Microchip Technology                        |
| Package / Case             | 28-UQFN Exposed Pad                         | 28-SSOP (0.209", 5.30mm Width)              | 44-TQFP                               | 28-SSOP (0.209", 5.30mm Width)              |
| Operating Temperature      | -40°C ~ 85°C (TA)                           | -40°C ~ 85°C (TA)                           | -40°C ~ 85°C (TA)                     | -40°C ~ 85°C (TA)                           |
| Package                    | Tape & Reel (TR)                            | Tube  | Tray                                  | Tube  |
| Series                     | PIC® XLP™ 16F                               | PIC® XLP™ 16F                               | PIC® XLP™ 16F                         | PIC® XLP™ 16F                               |
| Core Size                  | 8-Bit                                       | 8-Bit                                       | 8-Bit                                 | 8-Bit                                       |
| Program Memory Size        | 7KB (4K x 14)                               | 14KB (8K x 14)                              | 28KB (16K x 14)                       | 7KB (4K x 14)                               |
| Base Product Number        | PIC16F1783                                  | PIC16F1786                                  | PIC16F1779                            | PIC16F1783                                  |
| EEPROM Size                | 256 x 8                                     | 256 x 8                                     | 128 x 8                               | 256 x 8                                     |
| RAM Size                   | 512 x 8                                     | 1K x 8                                      | 2K x 8                                | 512 x 8                                     |
| Voltage - Supply (Vcc/Vdd) | 2.3V ~ 5.5V                                 | 2.3V ~ 5.5V                                 | 2.3V ~ 5.5V                           | 2.3V ~ 5.5V                                 |
| Peripherals                | Brown-out Detect/Reset, POR, PSMC, PWM, WDT | Brown-out Detect/Reset, POR, PSMC, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PSMC, PWM, WDT |
| Supplier Device Package    | 28-UQFN (4x4)                               | 28-SSOP                                     | 44-TQFP (10x10)                       | 28-SSOP                                     |
| Number of I/O              | 24  | 24  | 36                                    | 24  |
| Program Memory Type        | FLASH                                       | FLASH                                       | FLASH                                 | FLASH                                       |
| Core Processor             | PIC   | PIC   | PIC                                   | PIC   |
| Connectivity               | I²C, LINbus, SPI, UART/USART                | I²C, LINbus, SPI, UART/USART                | I²C, LINbus, SPI, UART/USART          | I²C, LINbus, SPI, UART/USART                |
| Speed                      | 32MHz                                       | 32MHz                                       | 32MHz                                 | 32MHz                                       |
| Oscillator Type            | Internal                                    | Internal                                    | Internal                              | Internal                                    |
| Mounting Type              | Surface Mount                               | Surface Mount                               | Surface Mount                         | Surface Mount                               |
| Data Converters            | A/D 11x12b; D/A 1x8b                        | A/D 11x12b; D/A 1x8b                        | A/D 28x10b; D/A 4x5b, 4x10b           | A/D 11x12b; D/A 1x8b                        |

## PIC16F1783T-I/MV Datasheet PDF

Download PIC16F1783T-I/MV pdf datasheets and Microchip Technology documentation for PIC16F1783T-I/MV - Microchip Technology.

### Datasheets

[PIC16\(L\)F1782,83.pdf](#)


[PIC16F178\(2,3\) Brief.pdf](#)

### PCN Packaging


[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

## PCN Assembly/Origin





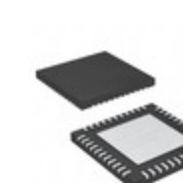
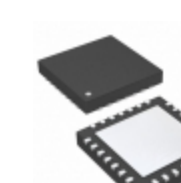


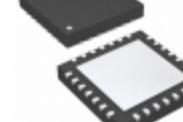





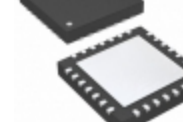



 Lead Frame 25/Nov/2021.pdf

## PCN Other

 CuPdAu Bond Wire 24/Apr/2015.pdf

## Customers Also Interested in

### Recommended Products

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|    |    |    |    |    |    |
| <b>PIC16F1786-I/SS</b><br>Microchip Technology<br>IC MCU 8BIT 14KB FLASH 28SSOP     | <b>PIC16F1779-I/PT</b><br>Microchip Technology<br>IC MCU 8BIT 28KB FLASH 44TQFP     | <b>PIC16F1783-I/SS</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 28SSOP      | <b>PIC16F1782-I/SS</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB FLASH 28SSOP     | <b>PIC16F1779T-I/ML</b><br>Microchip Technology<br>IC MCU 8BIT 28KB FLASH 44QFN       | <b>PIC16F1782T-I/MV</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB FLASH 28UQFN     |
|    |    |    |    |    |    |
| <b>PIC16F1782T-I/SO</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB FLASH 28SOIC   | <b>PIC16F1784-E/PT</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 44TQFP      | <b>PIC16F1783T-I/ML</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 28QFN      | <b>PIC16F1787-I/ML</b><br>Microchip Technology<br>IC MCU 8BIT 14KB FLASH 44QFN       | <b>PIC16F1783-I/MV</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 28UQFN        | <b>PIC16F1784-E/MV</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 40UQFN        |
|  |  |  |  |  |  |
| <b>PIC16F1784T-I/MV</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 40UQFN     | <b>PIC16F1786T-I/SS</b><br>Microchip Technology<br>IC MCU 8BIT 14KB FLASH 28SSOP    | <b>PIC16F1782-I/ML</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB FLASH 28QFN     | <b>PIC16F1783T-I/SS</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 28SSOP      | <b>PIC16F1779-I/P</b><br>Microchip Technology<br>IC MCU 8BIT 28KB FLASH 40DIP         | <b>PIC16F1784-I/MV</b><br>Microchip Technology<br>IC MCU 8BIT 7KB FLASH 40UQFN        |

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference |                |                    |
|--|----------------|--------------------|
| Region                                   | Country        | Logistic Time(Day) |
| America                                  | United States  | 5                  |
|  | Brazil         | 7                  |
| Europe                                   | Germany        | 5                  |
|  | United Kingdom | 4                  |
|  | Italy          | 5                  |
| Oceania                                  | Australia      | 6                  |
|  | New Zealand    | 7                  |
| Asia                                     | India          | 6                  |
|  | Japan          | 7                  |
| Middle East                              | Israel         | 6                  |

| DHL & FedEx Shipment Charges Reference |                      |
|--|----------------------|
| Shipment charges(KG)                   | Reference DHL(USD\$) |
| 0.00kg-1.00kg                          | USD\$60.00           |
| 1.00kg-2.00kg                          | USD\$70.00           |
| 2.00kg-3.00kg                          | USD\$80.00           |




**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

 Efficient Supply Management  
 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

 Phone  
+00852 9146 4856  
 Email  
info@allelco.com

### Certifications & Memberships



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