



Image may be representation.  
See specifications for product details.



## PIC16F777T-I/PT

Manufacturer Part Number	<b>PIC16F777T-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC16F777T-I/PT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 14KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<a href="#">MPLAB® ICE2000 Spec.pdf</a> <a href="#">Tips N Tricks Guide.pdf</a> <a href="#">PICmicro™ Reference Manual.pdf</a> <a href="#">PIC16F7x7.pdf</a>
RoHS Status	ROHS3 Compliant

**Get a Quote**

PIC16F777T-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F777T-I/PT datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16F777T-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16F777T-I/PT Tech Specifications

PIC16F777T-I/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	36
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	-
RAM Size	368 x 8	Data Converters	A/D 14x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	14KB (8K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC16F777
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F777T-I/PT

Product Attribute				
Part Number	PIC16F777T-I/PT	PIC16F767-I/SS	PIC16F785-I/SO	PIC16F76T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	A/D 14x10b	A/D 11x10b	A/D 14x10b	A/D 5x8b
Program Memory Size	14KB (8K x 14)	14KB (8K x 14)	3.5KB (2K x 14)	14KB (8K x 14)
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	-	I²C, SPI, UART/USART
Supplier Device Package	44-TQFP (10x10)	28-SSOP	20-SOIC	28-SSOP
Speed	20MHz	20MHz	20MHz	20MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC16F777	PIC16F767	PIC16F785	PIC16F76
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	Internal	External
EEPROM Size	-	-	256 x 8	-
Package / Case	44-TQFP	28-SSOP (0.209", 5.30mm Width)	20-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)
Voltage - Supply (Vcc/Vdd)	4V ~ 5.5V	4V ~ 5.5V	2V ~ 5.5V	4V ~ 5.5V
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	Tube	Tape & Reel (TR)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	368 x 8	368 x 8	128 x 8	368 x 8
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Number of I/O	36	25	17	22

## PIC16F777T-I/PT Datasheet PDF

Download PIC16F777T-I/PT pdf datasheets and Microchip Technology documentation for PIC16F777T-I/PT - Microchip Technology.

### Datasheets



PICmicro™ Reference Manual.pdf



PIC16F7x7.pdf

## PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



MBB/Label Chgs 16/Nov/2018.pdf

## HTML Datasheet



MPLAB® ICE2000 Spec.pdf



Tips N Tricks Guide.pdf

## PCN Design/Specification



TQFP-44L Palladium Coated Copper Wire 17/Dec/2013.pdf

## PCN Assembly/Origin



Qualification Lead-Frame 03/Jun/2014.pdf

## Customers Also Interested in

### Recommended Products



#### PIC16F767-I/SS

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SSOP



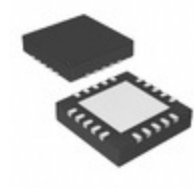
#### PIC16F785-I/SO

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SOIC



#### PIC16F767-I/SS

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SSOP



#### PIC16F785T-I/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20QFN



#### PIC16F785-I/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20DIP



#### PIC16F767-E/SS

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SSOP



#### PIC16F767-I/SO

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SOIC



#### PIC16F777-I/PT

Microchip Technology  
IC MCU 8BIT 14KB FLASH 44TQFP



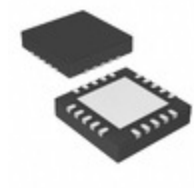
#### PIC16F818-E/SS

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18SOIC



#### PIC16F77-I/P

Microchip Technology  
IC MCU 8BIT 14KB FLASH 40DIP



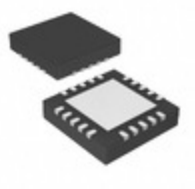
#### PIC16F785-E/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20QFN



#### PIC16F767-I/SP

Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SPDIP



#### PIC16F785-I/ML

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20QFN



#### PIC16F785-E/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F785-I/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F77-I/PT

Microchip Technology  
IC MCU 8BIT 14KB FLASH 44TQFP



#### PIC16F77-I/L

Microchip Technology  
IC MCU 8BIT 14KB FLASH 44PLCC



#### PIC16F785T-I/SO

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SOIC

## 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

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## Certifications & Memberships



View More

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