

Image may be representation.
See specifications for product details.



PIC16F506T-I/SL

Manufacturer Part Number **PIC16F506T-I/SL**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F506T-I/SL**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 8BIT 1.5KB FLASH 14SOIC**

Package **14-SOIC (0.154", 3.90mm Width)**

Data sheet [Tips N Tricks Guide.pdf](#)

[PIC16F506 Programming Spec.pdf](#)

[PIC1xF5xx.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F506T-I/SL - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F506T-I/SL datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F506T-I/SL, please send us email: info@allelco.com

Specifications

PIC16F506T-I/SL Tech Specifications

PIC16F506T-I/SL - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	14-SOIC	Number of I/O	11
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	-
RAM Size	67 x 8	Data Converters	A/D 4x8b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	1.5KB (1K x 12)	Core Processor	PIC
Peripherals	POR, WDT	Connectivity	-
Package / Case	14-SOIC (0.154", 3.90mm Width)	Base Product Number	PIC16F506
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F506T-I/SL

Product Attribute				
Part Number	PIC16F506T-I/SL	PIC16F54-I/P	PIC16F505-E/MG	PIC16F506-I/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Package / Case	14-SOIC (0.154", 3.90mm Width)	18-DIP (0.300", 7.62mm)	16-VFQFN Exposed Pad	14-TSSOP (0.173", 4.40mm Width)
Connectivity	-	-	-	-
EEPROM Size	-	-	-	-
Package	Tape & Reel (TR)	Tube	Tube	Tube
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Data Converters	A/D 4x8b	-	-	A/D 4x8b
Number of I/O	11	12	11	11
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Peripherals	POR, WDT	POR, WDT	POR, WDT	POR, WDT
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Speed	20MHz	20MHz	20MHz	20MHz
Program Memory Size	1.5KB (1K x 12)	768B (512 x 12)	1.5KB (1K x 12)	1.5KB (1K x 12)
RAM Size	67 x 8	25 x 8	72 x 8	67 x 8
Base Product Number	PIC16F506	PIC16F54	PIC16F505	PIC16F506
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Supplier Device Package	14-SOIC	18-PDIP	16-QFN (3x3)	14-TSSOP
Oscillator Type	Internal	External	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH

PIC16F506T-I/SL Datasheet PDF

Download PIC16F506T-I/SL pdf datasheets and Microchip Technology documentation for PIC16F506T-I/SL - Microchip Technology.

Datasheets

[Tips N Tricks Guide.pdf](#)

[PIC16F506 Programming Spec.pdf](#)

[PIC1xF5xx.pdf](#)

PCN Packaging

PCN Design/Specification

Copper Bond Wire 5/Nov/2015.pdf

PCN Assembly/Origin

Mult Devices 23/May/2017.pdf

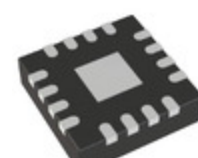
Customers Also Interested in

Recommended Products



PIC16F54-I/P

Microchip Technology
IC MCU 8BIT 768B FLASH 18DIP



PIC16F505-E/MG

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 16QFN



PIC16F506-I/ST

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14TSSOP



PIC16F506-I/P

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14DIP



PIC16F527T-I/SS

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 20SSOP



PIC16F505-I/ST

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14TSSOP



PIC16F54T-I/SS

Microchip Technology
IC MCU 8BIT 768B FLASH 20SSOP



PIC16F54-I/SO

Microchip Technology
IC MCU 8BIT 768B FLASH 18SOIC



PIC16F527-I/SS

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 20SSOP



PIC16F526-E/SL

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14SOIC



PIC16F505-E/SL

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14SOIC



PIC16F505T-I/SL

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14SOIC



PIC16F505-I/SL

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14SOIC



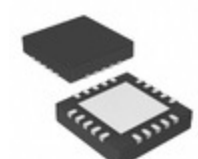
PIC16F1947T-I/PT

Microchip Technology
IC MCU 8BIT 28KB FLASH 64TQFP



PIC16F526-I/P

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14DIP



PIC16F527T-I/ML

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 20QFN



PIC16F506-I/SL

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14SOIC



PIC16F505-I/P

Microchip Technology
IC MCU 8BIT 1.5KB FLASH 14DIP

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.



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Certifications & Memberships



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