

Image may be representation.  
See specifications for product details.



## PIC18F46J53-I/ML

Manufacturer Part Number	<b>PIC18F46J53-I/ML</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC18F46J53-I/ML
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 64KB FLASH 44QFN
Package	44-VQFN Exposed Pad
Data sheet	<b>PIC18F47J53 Family.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC18F46J53-I/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC18F46J53-I/ML datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC18F46J53-I/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC18F46J53-I/ML Tech Specifications  
PIC18F46J53-I/ML - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.15V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-QFN (8x8)	Number of I/O	34
Speed	48MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18J	EEPROM Size	-
RAM Size	3.8K x 8	Data Converters	A/D 13x10b/12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART, USB
Package / Case	44-VQFN Exposed Pad	Base Product Number	PIC18F46
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F46J53-I/ML

Product Attribute				
Part Number	PIC18F46J53-I/ML	<a href="#">PIC18F46K20-I/MV</a>	<a href="#">PIC18F46J53-I/PT</a>	<a href="#">PIC18F46K20-E/MV</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	I²C, LINbus, SPI, UART/USART, USB	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART, USB	I²C, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	44-VQFN Exposed Pad	40-UQFN Exposed Pad	44-TQFP	40-UQFN Exposed Pad
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Supplier Device Package	44-QFN (8x8)	40-UQFN (5x5)	44-TQFP (10x10)	40-UQFN (5x5)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Base Product Number	PIC18F46	PIC18F46	PIC18F46	PIC18F46
Series	PIC® XLP™ 18J	PIC® XLP™ 18K	PIC® XLP™ 18J	PIC® XLP™ 18K
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	34	35	34	35
Data Converters	A/D 13x10b/12b	A/D 14x10b	A/D 13x10b/12b	A/D 14x10b
EEPROM Size	-	1K x 8	-	1K x 8
Voltage - Supply (Vcc/Vdd)	2.15V ~ 3.6V	1.8V ~ 3.6V	2.15V ~ 3.6V	1.8V ~ 3.6V
Speed	48MHz	64MHz	48MHz	48MHz
RAM Size	3.8K x 8	3.8K x 8	3.8K x 8	3.8K x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tube	Tube	Tray	Tube
Core Processor	PIC	PIC	PIC	PIC

## PIC18F46J53-I/ML Datasheet PDF

Download PIC18F46J53-I/ML pdf datasheets and Microchip Technology documentation for PIC18F46J53-I/ML - Microchip Technology.

### Datasheets


[PIC18F47J53 Family.pdf](#)

### PCN Packaging

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

[MBB/Label Chgs 16/Nov/2018.pdf](#)

## PCN Design/Specification







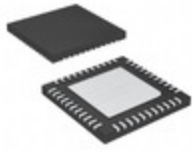


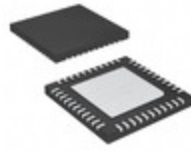

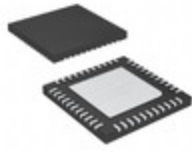
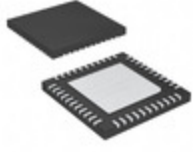
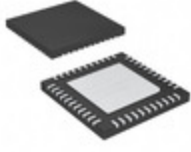



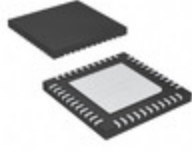
 [Plating 04/Jun/2013.pdf](#)

## PCN Assembly/Origin

 [Bond Wire 18/Jul/2017.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>PIC18F46K20-I/MV</b>	<b>PIC18F46J53-I/PT</b>	<b>PIC18F46K20-E/MV</b>	<b>PIC18F46K20-I/PT</b>	<b>PIC18F46K20T-I/PT</b>	<b>PIC18F46K20-I/P</b>
Microchip Technology IC MCU 8BIT 64KB FLASH 40UQFN	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 40UQFN	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP
					
<b>PIC18F46K22-E/ML</b>	<b>PIC18F46J50T-I/PT</b>	<b>PIC18F46J50-I/PT</b>	<b>PIC18F46K20-I/ML</b>	<b>PIC18F4685-I/PT</b>	<b>PIC18F4682-E/ML</b>
Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	Microchip Technology IC MCU 8BIT 96KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 80KB FLASH 44QFN
					
<b>PIC18F46K20-E/ML</b>	<b>PIC18F46J50-I/ML</b>	<b>PIC18F46J11-I/PT</b>	<b>PIC18F4682-I/PT</b>	<b>PIC18F46K20-E/PT</b>	<b>PIC18F46J13-I/ML</b>
Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 80KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN

## 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

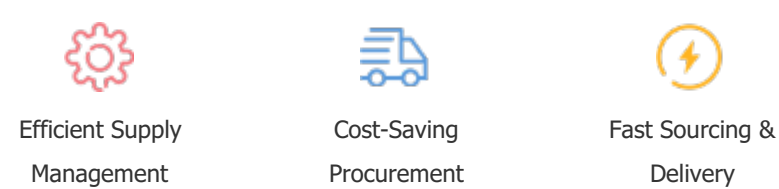
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

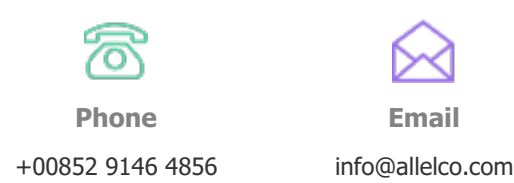
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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