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See specifications for product details.



PIC24HJ64GP510-I/PF

Manufacturer Part Number **PIC24HJ64GP510-I/PF**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC24HJ64GP510-I/PF**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 16BIT 64KB FLASH 100TQFP**

Package **100-TQFP**

Data sheet

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[DSPIC33F, PIC24H Flash Programming Specification.pdf](#)

[PIC24HJyyyGPy06/08/10 Datasheet.pdf](#)

RoHS Status

ROHS3 Compliant

Get a Quote

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Specifications

PIC24HJ64GP510-I/PF Tech Specifications

PIC24HJ64GP510-I/PF - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-TQFP (14x14)	Number of I/O	85
Speed	40 MIPS	Mounting Type	Surface Mount
Series	PIC® 24H	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 32x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (22K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-TQFP	Base Product Number	PIC24HJ64
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24HJ64GP510-I/PF

Product Attribute				
Part Number	PIC24HJ64GP510-I/PF	PIC24HJ64GP502T-I/MM	PIC24HJ64GP506-E/PT	PIC24HJ64GP504-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Number of I/O	85	21	53	35
Data Converters	A/D 32x10b/12b	A/D 10x10b/12b	A/D 18x10b/12b	A/D 13x10b/12b
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Core Processor	PIC	PIC	PIC	PIC
Speed	40 MIPS	40 MIPS	40 MIPS	40 MIPS
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Package	Tray	Tape & Reel (TR)	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	64KB (22K x 24)	64KB (22K x 24)	64KB (22K x 24)	64KB (22K x 24)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC24HJ64	PIC24HJ64	PIC24HJ64GP506	PIC24HJ64
Supplier Device Package	100-TQFP (14x14)	28-QFN-S (6x6)	64-TQFP (10x10)	44-TQFP (10x10)
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Package / Case	100-TQFP	28-VQFN Exposed Pad	64-TQFP	44-TQFP
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, PMP, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, PMP, SPI, UART/USART
Series	PIC® 24H	PIC® 24H	Automotive, AEC-Q100, PIC® 24H	PIC® 24H
Oscillator Type	Internal	Internal	Internal	Internal

PIC24HJ64GP510-I/PF Datasheet PDF


Download PIC24HJ64GP510-I/PF pdf datasheets and Microchip Technology documentation for PIC24HJ64GP510-I/PF - Microchip Technology.

Datasheets


- [16-bit Embedded Control Solutions.pdf](#)
- [DSPIC33F, PIC24H Flash Programming Specification.pdf](#)
- [PIC24HJyyyGPy06/08/10 Datasheet.pdf](#)

PCN Packaging


 MBB/Label Chgs 16/Nov/2018.pdf

 New Packing Material 02/Aug/2019.pdf

HTML Datasheet

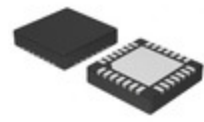






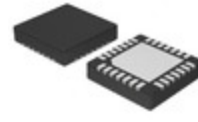




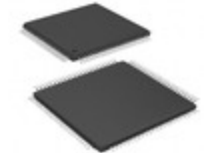
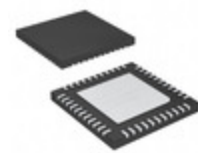




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PCN Assembly/Origin

 Qualification Assembly Site Revision 25/Jul/2014.pdf

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Recommended Products

					
PIC24HJ64GP502T-I/MM	PIC24HJ64GP506-E/PT	PIC24LC00BT-I/SN	PIC24HJ64GP504-I/PT	PIC24LC00T-I/SN	PIC24LC01B/P
Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 64KB FLASH 64TQFP	MIC	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	Micrel / Microchip Technology	MICR
					
PIC24LC01B/SN	PIC24HJ64GP502-I/MM	PIC24HJ64GP506A-I/PT	PIC24HJ64GP510A-I/PF	PIC24HJ64GP502-I/SO	PIC24LC01B-I/P
Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 64KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	MICR
					
PIC24HJ64GP510-I/PT	PIC24HJ64GP504-I/ML	PIC24HJ64GP504T-E/PT	PIC24HJ64GP504-E/PT	PIC24LC01B-I/SN	PIC24HJ64GP506-I/PT
Microchip Technology IC MCU 16BIT 64KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 44QFN	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	PIC GmbH	Microchip Technology IC MCU 16BIT 64KB FLASH 64TQFP

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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