



Image may be representation.  
See specifications for product details.



## PIC24HJ32GP304-I/PT

|                          |   |
|--------------------------|---|
| Manufacturer Part Number | <b>PIC24HJ32GP304-I/PT</b>  |
| Manufacturer             | <b>Microchip Technology</b>   |
| Allelco Part Number      | 32D-PIC24HJ32GP304-I/PT   |
| ECAD Model               | PCB Symbol, Footprint & 3D Mode   |
| Parts Description        | IC MCU 16BIT 32KB FLASH 44TQFP  |
| Package                  | 44-TQFP   |
| Data sheet               | <a href="#">16-bit Embedded Control Solutions.pdf</a><br><a href="#">16-bit Embedded Control Solutions.pdf</a><br><a href="#">DSPIC33F, PIC24H Flash Programming Specification.pdf</a><br><a href="#">PIC24HJ(32,64,128)GPzzz Datasheet.pdf</a> |
| RoHs Status              | ROHS3 Compliant   |

**Get a Quote**

PIC24HJ32GP304-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC24HJ32GP304-I/PT datasheet/specifications on AllelcoElec.com. Request a quote for PIC24HJ32GP304-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC24HJ32GP304-I/PT Tech Specifications  
PIC24HJ32GP304-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) | 3V ~ 3.6V                                  | Operating Temperature | -40°C ~ 85°C (TA)         |
| Supplier Device Package    | 44-TQFP (10x10)                            | Number of I/O         | 35                        |
| Speed                      | 40 MIPS                                    | Mounting Type         | Surface Mount             |
| Series                     | PIC® 24H                                   | EEPROM Size           | -                         |
| RAM Size                   | 4K x 8                                     | Data Converters       | A/D 13x10b/12b            |
| Program Memory Type        | FLASH                                      | Core Size             | 16-Bit                    |
| Program Memory Size        | 32KB (11K x 24)                            | Core Processor        | PIC                       |
| Peripherals                | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Connectivity          | I²C, PMP, SPI, UART/USART |
| Package / Case             | 44-TQFP                                    | Base Product Number   | PIC24HJ32GP304            |
| Package                    | Tray                                       |                       |                           |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24HJ32GP304-I/PT

| Product Attribute          |  |  |  |  |
|----------------------------|--|--|--|--|
| Part Number                | PIC24HJ32GP304-I/PT                        | PIC24HJ256GP610A-I/PF                      | PIC24HJ64GP206A-I/PT                       | PIC24HJ64GP204T-I/ML                       |
| Manufacturer               | Microchip Technology                       | Microchip Technology                       | Microchip Technology                       | Microchip Technology                       |
| Mounting Type              | Surface Mount                              | Surface Mount                              | Surface Mount                              | Surface Mount                              |
| RAM Size                   | 4K x 8                                     | 16K x 8                                    | 8K x 8                                     | 8K x 8                                     |
| Base Product Number        | PIC24HJ32GP304                             | PIC24HJ256                                 | PIC24HJ64                                  | PIC24HJ64                                  |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 3.6V                                  | 3V ~ 3.6V                                  | 3V ~ 3.6V                                  | 3V ~ 3.6V                                  |
| Core Size                  | 16-Bit                                     | 16-Bit                                     | 16-Bit                                     | 16-Bit                                     |
| Speed                      | 40 MIPS                                    | 40 MIPS                                    | 40 MIPS                                    | 40 MIPS                                    |
| Program Memory Type        | FLASH                                      | FLASH                                      | FLASH                                      | FLASH                                      |
| Program Memory Size        | 32KB (11K x 24)                            | 256KB (85.5K x 24)                         | 64KB (22K x 24)                            | 64KB (22K x 24)                            |
| Supplier Device Package    | 44-TQFP (10x10)                            | 100-TQFP (14x14)                           | 64-TQFP (10x10)                            | 44-QFN (8x8)                               |
| EEPROM Size                | -  | -  | -  | -  |
| Package / Case             | 44-TQFP                                    | 100-TQFP                                   | 64-TQFP                                    | 44-VQFN Exposed Pad                        |
| Core Processor             | PIC  | PIC  | PIC  | PIC  |
| Data Converters            | A/D 13x10b/12b                             | A/D 32x10b/12b                             | A/D 18x10b/12b                             | A/D 13x10b/12b                             |
| Connectivity               | I²C, PMP, SPI, UART/USART                  | CANbus, I²C, IrDA, LINbus, SPI, UART/USART | I²C, IrDA, LINbus, SPI, UART/USART         | I²C, PMP, SPI, UART/USART                  |
| Series                     | PIC® 24H                                   | PIC® 24H                                   | PIC® 24H                                   | PIC® 24H                                   |
| Oscillator Type            | Internal                                   | Internal                                   | Internal                                   | Internal                                   |
| Package                    | Tray                                       | Tray                                       | Tray                                       | Tape & Reel (TR)                           |
| 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 |
| Operating Temperature      | -40°C ~ 85°C (TA)                          | -40°C ~ 85°C (TA)                          | -40°C ~ 85°C (TA)                          | -40°C ~ 85°C (TA)                          |
| Number of I/O              | 35   | 85   | 53   | 35   |

### PIC24HJ32GP304-I/PT Datasheet PDF

Download PIC24HJ32GP304-I/PT pdf datasheets and Microchip Technology documentation for PIC24HJ32GP304-I/PT - Microchip Technology.

#### Datasheets



16-bit Embedded Control Solutions.pdf



DSPIC33F, PIC24H Flash Programming Specification.pdf



PIC24HJ(32,64,128)GPzzz Datasheet.pdf

## PCN Packaging


 Label and Packing Changes 23/Sep/2015.pdf

 MBB/Label Chgs 16/Nov/2018.pdf

## HTML Datasheet

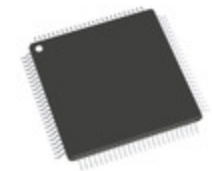

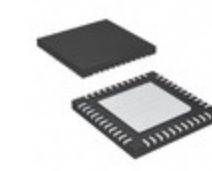
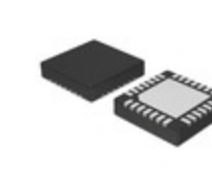
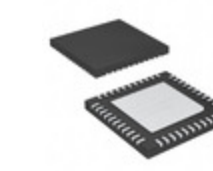



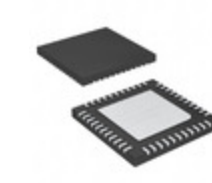
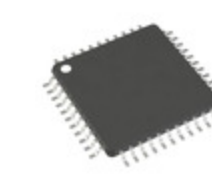
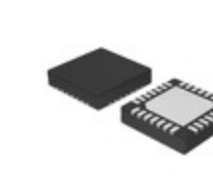
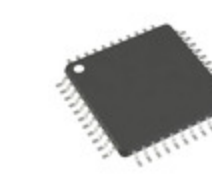

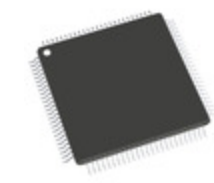

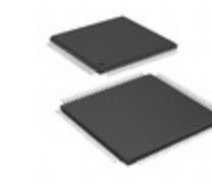

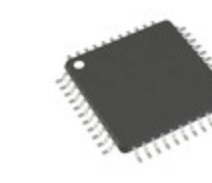
 16-bit Embedded Control Solutions.pdf

## PCN Assembly/Origin

 Revision with Qualification Report 22/Aug/2014.pdf

## Customers Also Interested in

### Recommended Products

|  |   |  |   |   |   |
|--|---|--|---|---|---|
|         |        |     |       |    |    |
| <b>PIC24HJ256GP610A-I/PF</b><br>Microchip Technology<br>IC MCU 16BIT 256KB FLASH 100TQFP | <b>PIC24HJ64GP206A-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 64TQFP   | <b>PIC24HJ64GP204T-I/ML</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 44QFN | <b>PIC24HJ64GP202-E/MM</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 28QFN     | <b>PIC24HJ64GP204-I/ML</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 44QFN   | <b>PIC24HJ32GP202-I/SO</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 28SOIC  |
|       |       |    |      |   |   |
| <b>PIC24HJ64GP202-I/SP</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 28SPDIP    | <b>PIC24HJ64GP206A-E/PT</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 64TQFP   | <b>PIC24HJ32GP204-I/ML</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 44QFN  | <b>PIC24HJ32GP304-E/PT</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 44TQFP    | <b>PIC24HJ64GP202-I/MM</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 28QFN   | <b>PIC24HJ32GP304T-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 44TQFP |
|       |      |   |     |  |  |
| <b>PIC24HJ32GP202-I/SP</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 28SPDIP    | <b>PIC24HJ256GP610-I/PF</b><br>Microchip Technology<br>IC MCU 16BIT 256KB FLASH 100TQFP | <b>PIC24HJ64GP206-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 64KB FLASH 64TQFP | <b>PIC24HJ256GP610-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 256KB FLASH 100TQFP | <b>PIC24HJ32GP302-I/SP</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 28SPDIP | <b>PIC24HJ32GP204-I/PT</b><br>Microchip Technology<br>IC MCU 16BIT 32KB FLASH 44TQFP  |

## 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 -

- |  |  |   |
|--|--|---|
| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
|--|--|---|

Contact us if you have any questions.

- |  |  |
|--|--|
| <br>Phone<br>+00852 9146 4856 | <br>Email<br>info@allelco.com |
|--|--|

### Certifications & Memberships



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