



Image may be representation.  
See specifications for product details.



## PIC24F08KL301-I/SS

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <a href="#">PIC24F08KL301-I/SS</a>   |
| Manufacturer             | <a href="#">Microchip Technology</a>   |
| Allelco Part Number      | 32D-PIC24F08KL301-I/SS   |
| ECAD Model               | PCB Symbol, Footprint & 3D Mode  |
| Parts Description        | IC MCU 16BIT 8KB FLASH 20SSOP  |
| Package                  | 20-SSOP (0.209", 5.30mm Width)   |
| Data sheet               | <a href="#">PIC24F16KL402 Family.pdf</a><br><a href="#">PIC24FxxKL Family Brochure.pdf</a> |
| RoHs Status              | ROHS3 Compliant  |

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PIC24F08KL301-I/SS - Microchip Technology, New Original in Stock. Download Linear Technology PIC24F08KL301-I/SS datasheet/specifications on AllelcoElec.com. Request a quote for PIC24F08KL301-I/SS, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC24F08KL301-I/SS Tech Specifications  
PIC24F08KL301-I/SS - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                             | Product Attribute     | Attribute Value                                 |
|----------------------------|---|-----------------------|---|
| Manufacturer               | Microchip Technology                        | Oscillator Type       | Internal  |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 3.6V                                 | Operating Temperature | -40°C ~ 85°C (TA)                               |
| Supplier Device Package    | 20-SSOP                                     | Number of I/O         | 18  |
| Speed                      | 32MHz                                       | Mounting Type         | Surface Mount                                   |
| Series                     | PIC® XLP™ 24F                               | EEPROM Size           | 256 x 8   |
| RAM Size                   | 1K x 8                                      | Data Converters       | -   |
| Program Memory Type        | FLASH                                       | Core Size             | 16-Bit  |
| Program Memory Size        | 8KB (2.75K x 24)                            | Core Processor        | PIC   |
| Peripherals                | Brown-out Detect/Reset, HLVD, POR, PWM, WDT | Connectivity          | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART |
| Package / Case             | 20-SSOP (0.209", 5.30mm Width)              | Base Product Number   | PIC24F08KL301                                   |
| Package                    | Tube  |                       |   |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24F08KL301-I/SS

| Product Attribute          |   |   |   |   |
|----------------------------|---|---|---|---|
| Part Number                | PIC24F08KL301-I/SS                              | <a href="#">PIC24F16KA102-I/ML</a>      | <a href="#">PIC24F08KL401-I/SS</a>              | <a href="#">PIC24F04KA201-I/SS</a>          |
| Manufacturer               | Microchip Technology                            | Microchip Technology                    | Microchip Technology                            | Microchip Technology                        |
| Base Product Number        | PIC24F08KL301                                   | PIC24F16KA102                           | PIC24F08KL401                                   | PIC24F04KA201                               |
| Operating Temperature      | -40°C ~ 85°C (TA)                               | -40°C ~ 85°C (TA)                       | -40°C ~ 85°C (TA)                               | -40°C ~ 85°C (TA)                           |
| Data Converters            | -   | A/D 9x10b                               | A/D 12x10b                                      | A/D 9x10b                                   |
| Supplier Device Package    | 20-SSOP   | 28-QFN (6x6)                            | 20-SSOP   | 20-SSOP                                     |
| Program Memory Type        | FLASH   | FLASH                                   | FLASH   | FLASH                                       |
| Number of I/O              | 18  | 24                                      | 18  | 18  |
| Series                     | PIC® XLP™ 24F                                   | PIC® XLP™ 24F                           | PIC® XLP™ 24F                                   | PIC® XLP™ 24F                               |
| Core Size                  | 16-Bit  | 16-Bit                                  | 16-Bit  | 16-Bit                                      |
| Oscillator Type            | Internal  | Internal                                | Internal  | Internal                                    |
| Core Processor             | PIC   | PIC                                     | PIC   | PIC   |
| Connectivity               | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART | I <sup>2</sup> C, IrDA, SPI, UART/USART | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART | I <sup>2</sup> C, IrDA, SPI, UART/USART     |
| Package                    | Tube  | Tube                                    | Tube  | Tube  |
| Speed                      | 32MHz   | 32MHz                                   | 32MHz   | 32MHz                                       |
| Package / Case             | 20-SSOP (0.209", 5.30mm Width)                  | 28-VQFN Exposed Pad                     | 20-SSOP (0.209", 5.30mm Width)                  | 20-SSOP (0.209", 5.30mm Width)              |
| Mounting Type              | Surface Mount                                   | Surface Mount                           | Surface Mount                                   | Surface Mount                               |
| EEPROM Size                | 256 x 8   | 512 x 8                                 | 512 x 8   | -   |
| Program Memory Size        | 8KB (2.75K x 24)                                | 16KB (5.5K x 24)                        | 8KB (2.75K x 24)                                | 4KB (1.375K x 24)                           |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 3.6V                                     | 1.8V ~ 3.6V                             | 1.8V ~ 3.6V                                     | 1.8V ~ 3.6V                                 |
| Peripherals                | Brown-out Detect/Reset, HLVD, POR, PWM, WDT     | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, HLVD, POR, PWM, WDT     | Brown-out Detect/Reset, HLVD, POR, PWM, WDT |
| RAM Size                   | 1K x 8  | 1.5K x 8                                | 1K x 8  | 512 x 8                                     |

## PIC24F08KL301-I/SS Datasheet PDF

Download PIC24F08KL301-I/SS pdf datasheets and Microchip Technology documentation for PIC24F08KL301-I/SS - Microchip Technology.

### PCN Packaging

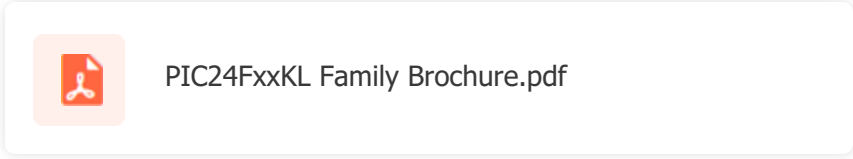
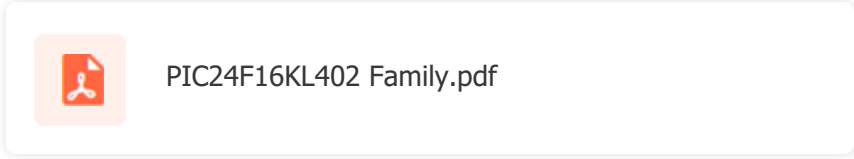
[Label and Packing Changes 23/Sep/2015.pdf](#)

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

### PCN Design/Specification

[Lead Frame 22/Dec/2016.pdf](#)

[PIC24F16KL402 Datasheet Revision](#)



Customers Also Interested in

Recommended Products

|   |   |   |   |  |   |
|---|---|---|---|--|---|
|   |   |   |   |  |   |
| <b>PIC24F16KA102-I/ML</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 28QFN  | <b>PIC24F08KL401-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20SSOP  | <b>PIC24F04KA201-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 4KB FLASH 20SSOP  | <b>PIC24F08KA101-I/MG</b><br>Pericom Semiconductor Corp.<br>(Diodes Incorporated)   | <b>PIC24F16KA101-I/P</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 20DIP  | <b>PIC24F16KA101-I/MQ</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 20VQFN |
|   |   |   |   |  |   |
| <b>PIC24F08KL302T-I/MQ</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 28QFN  | <b>PIC24F08KA101T-I/SO</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20SOIC | <b>PIC24F16KA102-I/SO</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 28SOIC | <b>PIC24F04KL100-I/ST</b><br>Microchip Technology<br>IC MCU 16BIT 4KB FLASH 14TSSOP | <b>PIC24F08KL201-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20SSOP | <b>PIC24F16KA101-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 20SSOP |
|   |   |   |   |  |   |
| <b>PIC24F08KA102-I/SP</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 28SPDIP | <b>PIC24F08KA101-E/SS</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20SSOP  | <b>PIC24F08KL302-E/SO</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 28SOIC  | <b>PIC24F08KA101-I/MQ</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20VQFN  | <b>PIC24F08KA101-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 8KB FLASH 20SSOP | <b>PIC24F16KA102-I/SS</b><br>Microchip Technology<br>IC MCU 16BIT 16KB FLASH 28SSOP |

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

Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com