



Image may be representation.  
See specifications for product details.



## PIC12LC508A-04I/SM

|                          |                               |
|--------------------------|-------------------------------|
| Manufacturer Part Number | <b>PIC12LC508A-04I/SM</b>     |
| Manufacturer             | <b>Microchip Technology</b>   |
| Allelco Part Number      | 32D-PIC12LC508A-04I/SM        |
| ECAD Model               | PCB Footprint and Symbol      |
| Parts Description        | IC MCU 8BIT 768B OTP 8SOIJ    |
| Package                  | 8-SOIC (0.209", 5.30mm Width) |
| Data sheet               | <b>PIC12C5xx.pdf</b>          |
| RoHs Status              | <b>ROHS3 Compliant</b>        |

**Get a Quote**

PIC12LC508A-04I/SM - Microchip Technology. New Original in Stock. Download Linear Technology PIC12LC508A-04I/SM datasheet/specifications on AllelcoElec.com. Request a quote for PIC12LC508A-04I/SM, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC12LC508A-04I/SM Tech Specifications  
PIC12LC508A-04I/SM - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value               | Product Attribute     | Attribute Value   |
|----------------------------|-------------------------------|-----------------------|-------------------|
| Manufacturer               | Microchip Technology          | Oscillator Type       | Internal          |
| Voltage - Supply (Vcc/Vdd) | 2.5V ~ 5.5V                   | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package    | 8-SOIJ                        | Number of I/O         | 5                 |
| Speed                      | 4MHz                          | Mounting Type         | Surface Mount     |
| Series                     | PIC® 12C                      | EEPROM Size           | -                 |
| RAM Size                   | 25 x 8                        | Data Converters       | -                 |
| Program Memory Type        | OTP                           | Core Size             | 8-Bit             |
| Program Memory Size        | 768B (512 x 12)               | Core Processor        | PIC               |
| Peripherals                | POR, WDT                      | Connectivity          | -                 |
| Package / Case             | 8-SOIC (0.209", 5.30mm Width) | Base Product Number   | PIC12LC508        |
| Package                    | Tube                          |                       |                   |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC12LC508A-04I/SM

| Product Attribute          |                               |                                    |                                  |                                   |
|----------------------------|-------------------------------|------------------------------------|----------------------------------|-----------------------------------|
| Part Number                | PIC12LC508A-04I/SM            | <a href="#">PIC12LC508A-04I/SN</a> | <a href="#">PIC12LC671-04/SM</a> | <a href="#">PIC12LC508A-04/SM</a> |
| Manufacturer               | Microchip Technology          | Microchip Technology               | Microchip Technology             | Microchip Technology              |
| Oscillator Type            | Internal                      | Internal                           | Internal                         | Internal                          |
| Supplier Device Package    | 8-SOIJ                        | 8-SOIC                             | 8-SOIJ                           | 8-SOIJ                            |
| Core Processor             | PIC                           | PIC                                | PIC                              | PIC                               |
| RAM Size                   | 25 x 8                        | 25 x 8                             | 128 x 8                          | 25 x 8                            |
| Mounting Type              | Surface Mount                 | Surface Mount                      | Surface Mount                    | Surface Mount                     |
| Data Converters            | -                             | -                                  | A/D 4x8b                         | -                                 |
| Number of I/O              | 5                             | 5                                  | 5                                | 5                                 |
| Voltage - Supply (Vcc/Vdd) | 2.5V ~ 5.5V                   | 2.5V ~ 5.5V                        | 2.5V ~ 5.5V                      | 2.5V ~ 5.5V                       |
| Package / Case             | 8-SOIC (0.209", 5.30mm Width) | 8-SOIC (0.154", 3.90mm Width)      | 8-SOIC (0.209", 5.30mm Width)    | 8-SOIC (0.209", 5.30mm Width)     |
| Peripherals                | POR, WDT                      | POR, WDT                           | POR, WDT                         | POR, WDT                          |
| Program Memory Size        | 768B (512 x 12)               | 768B (512 x 12)                    | 1.75KB (1K x 14)                 | 768B (512 x 12)                   |
| Operating Temperature      | -40°C ~ 85°C (TA)             | -40°C ~ 85°C (TA)                  | 0°C ~ 70°C (TA)                  | 0°C ~ 70°C (TA)                   |
| Speed                      | 4MHz                          | 4MHz                               | 4MHz                             | 4MHz                              |
| Program Memory Type        | OTP                           | OTP                                | OTP                              | OTP                               |
| Core Size                  | 8-Bit                         | 8-Bit                              | 8-Bit                            | 8-Bit                             |
| EEPROM Size                | -                             | -                                  | -                                | -                                 |
| Connectivity               | -                             | -                                  | -                                | -                                 |
| Package                    | Tube                          | Tube                               | Tube                             | Tube                              |
| Series                     | PIC® 12C                      | PIC® 12C                           | PIC® 12C                         | PIC® 12C                          |
| Base Product Number        | PIC12LC508                    | PIC12LC508                         | PIC12LC671                       | PIC12LC508                        |

### PIC12LC508A-04I/SM Datasheet PDF

Download PIC12LC508A-04I/SM pdf datasheets and Microchip Technology documentation for PIC12LC508A-04I/SM - Microchip Technology.

#### Datasheets


[PIC12C5xx.pdf](#)

#### PCN Packaging

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

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

## PCN Design/Specification






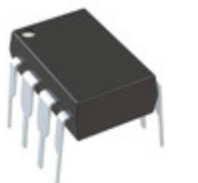











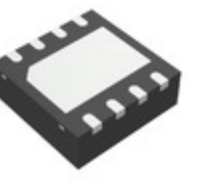
 Bond Wire Qualification 13/Jun/2016.pdf

## PCN Assembly/Origin

 Bond Wre 05/Jul/2017.pdf

## Customers Also Interested in

### Recommended Products

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |    |
| <b>PIC12LC508A-04I/SN</b><br>Microchip Technology<br>IC MCU 8BIT 768B OTP 8SOIC     | <b>PIC12LC508AT-04/SN197</b><br>Micro Connectors, Inc.                              | <b>PIC12LC671-04/SM</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB OTP 8SOIJ     | <b>PIC12LC508A-04/SM</b><br>Microchip Technology<br>IC MCU 8BIT 768B OTP 8SOIJ       | <b>PIC12HV752-I/SN</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB FLASH 8SOIC      | <b>PIC12LCE518-04/P</b><br>Microchip Technology<br>IC MCU 8BIT 768B OTP 8DIP          |
|    |    |    |    |    |    |
| <b>PIC12LC509A-04/SM</b><br>Microchip Technology<br>IC MCU 8BIT 1.5KB OTP 8SOIJ     | <b>PIC12LC509A-04I/SN</b><br>Microchip Technology<br>IC MCU 8BIT 1.5KB OTP 8SOIC    | <b>PIC12HV615-E/SN</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB FLASH 8SOIC    | <b>PIC12LC508A-04/P</b><br>Microchip Technology<br>IC MCU 8BIT 768B OTP 8DIP         | <b>PIC12LC672-04/SM</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB OTP 8SOIJ        | <b>PIC12HV615-I/MS</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB FLASH 8MSOP      |
|  |  |  |  |  |  |
| <b>PIC12HV615-I/SN</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB FLASH 8SOIC    | <b>PIC12LC671T-04/SM025</b><br>Micrel / Microchip Technology                        | <b>PIC12HV609-I/SN</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB FLASH 8SOIC    | <b>PIC12LC671-04I/SM</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB OTP 8SOIJ     | <b>PIC12LC509AT-04I/SM050</b><br>Micrel / Microchip Technology                        | <b>PIC12F683T-I/MD</b><br>Microchip Technology<br>IC MCU 8BIT 3.5KB FLASH 8DFN        |

## 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  
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### Certifications & Memberships



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