



Image may be representation.  
See specifications for product details.



## PIC16LC54A-04/SS

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>PIC16LC54A-04/SS</b>                |
| Manufacturer             | <b>Microchip Technology</b>            |
| Allelco Part Number      | 32D-PIC16LC54A-04/SS                   |
| ECAD Model               | Request Free CAD Models                |
| Parts Description        | IC MCU 8BIT 768B OTP 20SSOP            |
| Package                  | 20-SSOP (0.209", 5.30mm Width)         |
| Data sheet               | <b>Cylindrical Battery Holders.pdf</b> |
| RoHs Status              | <b>ROHS3 Compliant</b>                 |

**Get a Quote**

PIC16LC54A-04/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16LC54A-04/SS datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16LC54A-04/SS, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16LC54A-04/SS Tech Specifications

PIC16LC54A-04/SS - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                | Product Attribute     | Attribute Value |
|----------------------------|--------------------------------|-----------------------|-----------------|
| Manufacturer               | Microchip Technology           | Oscillator Type       | External        |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 6.25V                     | Operating Temperature | 0°C ~ 70°C (TA) |
| Supplier Device Package    | 20-SSOP                        | Number of I/O         | 12              |
| Speed                      | 4MHz                           | Mounting Type         | Surface Mount   |
| Series                     | PIC® 16C                       | 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             | 20-SSOP (0.209", 5.30mm Width) | Base Product Number   | PIC16LC54       |
| Package                    | Tube                           |                       |                 |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LC54A-04/SS

| Product Attribute          |                                |                                       |                                |                                       |
|----------------------------|--------------------------------|---------------------------------------|--------------------------------|---------------------------------------|
| Part Number                | PIC16LC54A-04/SS               | <b>PIC16HV785-E/SS</b>                | <b>PIC16LC54A-04I/SS</b>       | <b>PIC16HV785T-I/SO</b>               |
| Manufacturer               | Microchip Technology           | Microchip Technology                  | Microchip Technology           | Microchip Technology                  |
| RAM Size                   | 25 x 8                         | 128 x 8                               | 25 x 8                         | 128 x 8                               |
| Mounting Type              | Surface Mount                  | Surface Mount                         | Surface Mount                  | Surface Mount                         |
| Series                     | PIC® 16C                       | PIC® 16F                              | PIC® 16C                       | PIC® 16F                              |
| EEPROM Size                | -                              | 256 x 8                               | -                              | 256 x 8                               |
| Package                    | Tube                           | Tube                                  | Tube                           | Tape & Reel (TR)                      |
| Program Memory Size        | 768B (512 x 12)                | 3.5KB (2K x 14)                       | 768B (512 x 12)                | 3.5KB (2K x 14)                       |
| Peripherals                | POR, WDT                       | Brown-out Detect/Reset, POR, PWM, WDT | POR, WDT                       | Brown-out Detect/Reset, POR, PWM, WDT |
| Base Product Number        | PIC16LC54                      | PIC16HV785                            | PIC16LC54                      | PIC16HV785                            |
| Program Memory Type        | OTP                            | FLASH                                 | OTP                            | FLASH                                 |
| Core Processor             | PIC                            | PIC                                   | PIC                            | PIC                                   |
| Package / Case             | 20-SSOP (0.209", 5.30mm Width) | 20-SSOP (0.209", 5.30mm Width)        | 20-SSOP (0.209", 5.30mm Width) | 20-SOIC (0.295", 7.50mm Width)        |
| Operating Temperature      | 0°C ~ 70°C (TA)                | -40°C ~ 125°C (TA)                    | -40°C ~ 85°C (TA)              | -40°C ~ 85°C (TA)                     |
| Core Size                  | 8-Bit                          | 8-Bit                                 | 8-Bit                          | 8-Bit                                 |
| Number of I/O              | 12                             | 17                                    | 12                             | 17                                    |
| Data Converters            | -                              | A/D 14x10b                            | -                              | A/D 14x10b                            |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 6.25V                     | 2V ~ 5.5V                             | 3V ~ 6.25V                     | 2V ~ 5.5V                             |
| Oscillator Type            | External                       | Internal                              | External                       | Internal                              |
| Speed                      | 4MHz                           | 20MHz                                 | 4MHz                           | 20MHz                                 |
| Connectivity               | -                              | -                                     | -                              | -                                     |
| Supplier Device Package    | 20-SSOP                        | 20-SSOP                               | 20-SSOP                        | 20-SOIC                               |

### PIC16LC54A-04/SS Datasheet PDF

Download PIC16LC54A-04/SS pdf datasheets and Microchip Technology documentation for PIC16LC54A-04/SS - Microchip Technology.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging

[2.73KHz.pdf](#)



Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products



**PIC16HV785-E/SS**

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



**PIC16LC54A-04I/SS**

Microchip Technology  
IC MCU 8BIT 768B OTP 20SSOP



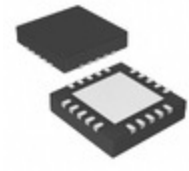
**PIC16HV785T-I/SO**

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SOIC



**PIC16LC505-04I/SL**

Microchip Technology  
IC MCU 8BIT 1.5KB OTP 14SOIC



**PIC16HV785-I/ML**

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20QFN



**PIC16LC58B-04/SS**

Microchip Technology  
IC MCU 8BIT 3KB OTP 20SSOP



**PIC16LC54C-04/P**

Microchip Technology  
IC MCU 8BIT 768B OTP 18DIP



**PIC16LC57C-04/SS**

Microchip Technology  
IC MCU 8BIT 3KB OTP 28SSOP



**PIC16LC54A-04I/SO**

Microchip Technology  
IC MCU 8BIT 768B OTP 18SOIC



**PIC16LC54C-04I/SO**

Microchip Technology  
IC MCU 8BIT 768B OTP 18SOIC



**PIC16LC505T-04I/SL**

Microchip Technology  
IC MCU 8BIT 1.5KB OTP 14SOIC



**PIC16LC505-04/SL**

Microchip Technology  
IC MCU 8BIT 1.5KB OTP 14SOIC



**PIC16HV785-I/SO**

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SOIC



**PIC16LC620A-04/SO**

Microchip Technology  
IC MCU 8BIT 896B OTP 18SOIC



**PIC16LC56A-04/SS**

Microchip Technology  
IC MCU 8BIT 1.5KB OTP 20SSOP



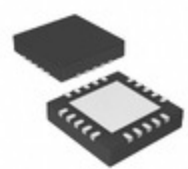
**PIC16LC54A-04/SO**

Microchip Technology  
IC MCU 8BIT 768B OTP 18SOIC



**PIC16LC558-04/SO**

Microchip Technology  
IC MCU 8BIT 3.5KB OTP 18SOIC



**PIC16HV785T-I/ML**

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20QFN

## 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  
+00852 9146 4856
- Email  
info@allelco.com

### Certifications & Memberships



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### Contact us

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