

Image may be representation.  
See specifications for product details.



## SPC5607BF1VLU6R

Manufacturer Part Number	<b>SPC5607BF1VLU6R</b>
Manufacturer	<b>Freescale Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-SPC5607BF1VLU6R
ECAD Model	Request Free CAD Models
Parts Description	<b>IC MCU 32BIT 1.5MB FLASH 176LQFP</b>
Package	<b>176-LQFP</b>
Data sheet	SPC5607BF1VLU6R.pdf

**Get a Quote**

SPC5607BF1VLU6R - Freescale Semiconductor.New Original in Stock. Download Linear Technology SPC5607BF1VLU6R datasheet/specifications on AllelcoElec.com.  
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### Specifications

SPC5607BF1VLU6R Tech Specifications  
SPC5607BF1VLU6R - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	176-LQFP (24x24)	Number of I/O	149
Speed	64MHz	Mounting Type	Surface Mount
Series	MPC56xx Qorivva	EEPROM Size	64K x 8
RAM Size	96K x 8	Data Converters	A/D 29x10b, 5x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1.5MB (1.5M x 8)	Core Processor	e200z0h
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Package / Case	176-LQFP	Base Product Number	SPC5607
Package	Bulk		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor SPC5607BF1VLU6R

Product Attribute				
Part Number	SPC5607BF1VLU6R	SPC5607BAVLU6R	SPC5607BAVLQ6	SPC560B40L5C6E0X
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	STMicroelectronics
Base Product Number	SPC5607	SPC5607	SPC5607	SPC560
Data Converters	A/D 29x10b, 5x12b	A/D 29x10b, 5x12b	A/D 15x10b, 5x12b	A/D 36x10b
RAM Size	96K x 8	96K x 8	96K x 8	24K x 8
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Number of I/O	149	149	121	123
Supplier Device Package	176-LQFP (24x24)	176-LQFP (24x24)	144-LQFP (20x20)	144-LQFP (20x20)
Program Memory Size	1.5MB (1.5M x 8)	1.5MB (1.5M x 8)	1.5MB (1.5M x 8)	256KB (256K x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Series	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva	Automotive, AEC-Q100, SPC56
Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)
EEPROM Size	64K x 8	64K x 8	64K x 8	-
Package	Bulk	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	176-LQFP	176-LQFP	144-LQFP	144-LQFP
Speed	64MHz	64MHz	64MHz	64MHz
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT

### Customers Also Interested in

#### Recommended Products



**SPC5607BAVLU6R**

NXP USA Inc.  
IC MCU 32BIT 1.5MB FLASH 176LQFP



**SPC560B44L3B4EVX**

STMicroelectronics



**SPC5607BAVLQ6**

NXP USA Inc.  
IC MCU 32BIT 1.5MB FLASH 144LQFP



**SPC5607BAVLQ6**

Analog Devices Inc.  
MPC5607B - BOLERO 1.5M-NXP 32-bit 144LQFP



**SPC560B40L5C6E0X**

STMicroelectronics  
IC MCU 32BIT 256KB FLASH 144LQFP



**SPC5606SF2VLQ6R**

NXP USA Inc.  
IC MCU 32BIT 1MB FLASH 144LQFP

**SPC5607BF1VLU6R**

NXP USA Inc.  
IC MCU 32BIT 1.5MB FLASH 176LQFP

**SPC5606SF2VLU6R**

NXP USA Inc.  
IC MCU 32BIT 1MB FLASH 176LQFP

**SPC560B40L3B4E0X**

STMicroelectronics  
IC MCU 32BIT 256KB FLASH 100LQFP

**SPC5607BK0MLQ6**

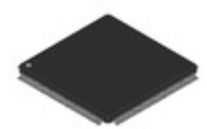
Freescale Semiconductor  
IC MCU 32BIT 1.5MB FLASH 144LQFP

**SPC5607BK0MLQ6**

NXP USA Inc.  
IC MCU 32BIT 1.5MB FLASH 144LQFP

**SPC5607BVLU6**

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**SPC5606SF2VLQ6**

Freescale Semiconductor  
IC MCU 32BIT 1MB FLASH 144LQFP

**SPC560B40L3C6E0X**

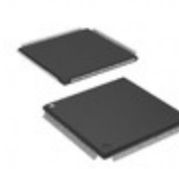
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 100LQFP

**SPC5606SF2VLU6**

Freescale Semiconductor  
IC MCU 32BIT 1MB FLASH 176LQFP

**SPC5606SF2VLU6**

NXP USA Inc.  
IC MCU 32BIT 1MB FLASH 176LQFP

**SPC5607BK0VLQ6**

NXP USA Inc.  
IC MCU 32BIT 1.5MB FLASH 144LQFP

**SPC5607BVLQ6**

Freescale / NXP Semiconductors

## 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.



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- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
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