



Image may be representation.
See specifications for product details.



SPC560B40L3B4E0X

Manufacturer Part Number	SPC560B40L3B4E0X
Manufacturer	STMicroelectronics
Allelco Part Number	32D-SPC560B40L3B4E0X
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	SPC560x40x, SPC560x50x.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SPC560B40L3B4E0X - STMicroelectronics.New Original in Stock. Download Linear Technology SPC560B40L3B4E0X datasheet/specifications on AllelcoElec.com.
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Specifications

SPC560B40L3B4E0X Tech Specifications
SPC560B40L3B4E0X - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	79
Speed	64MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, SPC56	EEPROM Size	-
RAM Size	24K x 8	Data Converters	A/D 28x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	e200z0h
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, I ² C, LINbus, SCI, SPI
Package / Case	100-LQFP	Base Product Number	SPC560
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SPC560B40L3B4E0X

Product Attribute				
Part Number	SPC560B40L3B4E0X	SPC5607BF1VLU6R	SPC560B50L3C6E0X	SPC5607BF1VLU6R
Manufacturer	STMicroelectronics	Freescal Semiconductor	STMicroelectronics	NXP USA Inc.
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	64MHz	64MHz	64MHz	64MHz
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Series	Automotive, AEC-Q100, SPC56	MPC56xx Qorivva	Automotive, AEC-Q100, SPC56	MPC56xx Qorivva
Program Memory Size	256KB (256K x 8)	1.5MB (1.5M x 8)	512KB (512K x 8)	1.5MB (1.5M x 8)
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Connectivity	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	100-LQFP (14x14)	176-LQFP (24x24)	100-LQFP (14x14)	176-LQFP (24x24)
RAM Size	24K x 8	96K x 8	32K x 8	96K x 8
Package / Case	100-LQFP	176-LQFP	100-LQFP	176-LQFP
Number of I/O	79	149	79	149
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	64K x 8	-	64K x 8
Data Converters	A/D 28x10b	A/D 29x10b, 5x12b	A/D 28x10b	A/D 29x10b, 5x12b
Base Product Number	SPC560	SPC5607	SPC560	SPC5607
Oscillator Type	Internal	Internal	Internal	Internal

SPC560B40L3B4E0X Datasheet PDF

Download SPC560B40L3B4E0X pdf datasheets and STMicroelectronics documentation for SPC560B40L3B4E0X - STMicroelectronics.

PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Design/Specification

[2D Marking 28/Sep/2018.pdf](#)

[Lead Locking Tape 05/Feb/2020.pdf](#)

Errata

 BOLERO Family Errata.pdf

HTML Datasheet

 SPC560x40x, SPC560x50x.pdf

PCN Assembly/Origin

 SPC560yyy 25/May/2020.pdf

Customers Also Interested in

Recommended Products



SPC5607BF1VLU6R

Freescale Semiconductor
IC MCU 32BIT 1.5MB FLASH
176LQFP



SPC560B50L3C6E0X

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



SPC5607BF1VLU6R

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



SPC5607BVLU6

Freescale / NXP Semiconductors



SPC5607BK0MLQ6

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



SPC560B50L5

STMicroelectronics



SPC560B40L5C6E0X

STMicroelectronics
IC MCU 32BIT 256KB FLASH
144LQFP



SPC5607BAVLQ6

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



SPC560B40L3C6E0X

STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5607BAVLQ6

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



SPC5607BAVLU6R

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



SPC560B50L3B4E0X

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



SPC5607BK0MLQ6

Freescale Semiconductor
IC MCU 32BIT 1.5MB FLASH
144LQFP



SPC5607BVLQ6

Freescale / NXP Semiconductors



SPC560B50L3

STMicroelectronics



SPC5607BK0VLQ6

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



SPC560B50L1B4E0X

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



SPC560B44L3B4EVX

STMicroelectronics

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 Alleco 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.



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Email

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Certifications & Memberships



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