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See specifications for product details.



SPC560B64L7B6E0X

Manufacturer Part Number	SPC560B64L7B6E0X
Manufacturer	STMicroelectronics
Allelco Part Number	32D-SPC560B64L7B6E0X
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1.5MB FLASH 176LQFP
Package	176-LQFP
Data sheet	SPC560B54x, 60x, 64x.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SPC560B64L7B6E0X - STMicroelectronics.New Original in Stock. Download Linear Technology SPC560B64L7B6E0X datasheet/specifications on AllelcoElec.com.
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Specifications

SPC560B64L7B6E0X Tech Specifications
SPC560B64L7B6E0X - 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	176-LQFP (24x24)	Number of I/O	149
Speed	64MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, SPC56	EEPROM Size	-
RAM Size	96K x 8	Data Converters	A/D 53x10/12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1.5MB (1.5M x 8)	Core Processor	e200z0h
Peripherals	DMA, LVD, POR, PWM, WDT	Connectivity	CANbus, I ² C, LINbus, SCI, SPI, UART/USART
Package / Case	176-LQFP	Base Product Number	SPC560
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SPC560B64L7B6E0X

Product Attribute				
Part Number	SPC560B64L7B6E0X	SPC560C50L1B4E0X	SPC560D30L1B4E0X	SPC560D40L1C4E0X
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	1.5MB (1.5M x 8)	512KB (512K x 8)	128KB (128K x 8)	256KB (256K x 8)
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tape & Reel (TR)
RAM Size	96K x 8	32K x 8	12K x 8	16K x 8
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	176-LQFP (24x24)	64-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Data Converters	A/D 53x10/12b	A/D 12x10b	A/D 16x12b	A/D 16x12b
Connectivity	CANbus, I ² C, LINbus, SCI, SPI, UART/USART	CANbus, I ² C, LINbus, SCI, SPI	CANbus, LINbus, SPI, UART/USART	CANbus, LINbus, SPI, UART/USART
Base Product Number	SPC560	SPC560	SPC560	SPC560
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	DMA, LVD, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT
Number of I/O	149	45	45	45
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Speed	64MHz	48MHz	48MHz	48MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	Automotive, AEC-Q100, SPC56	Automotive, AEC-Q100, SPC56	Automotive, AEC-Q100, SPC56	Automotive, AEC-Q100, SPC56
Package / Case	176-LQFP	64-LQFP	64-LQFP	64-LQFP
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)

SPC560B64L7B6E0X Datasheet PDF

Download SPC560B64L7B6E0X pdf datasheets and STMicroelectronics documentation for SPC560B64L7B6E0X - STMicroelectronics.

PCN Packaging

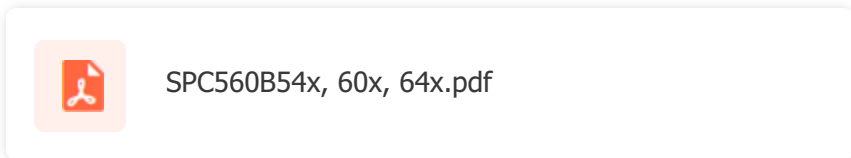
Material Barrier Bag 17/Dec/2020.pdf

SP5xxx 15/Nov/2021.pdf

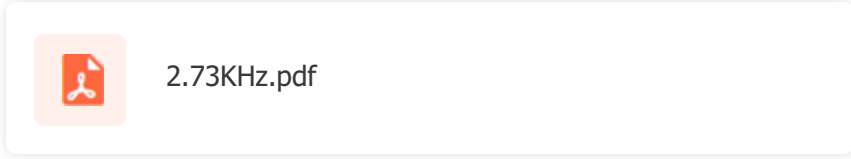
PCN Design/Specification

Datasheet Chg 25/Feb/2016.pdf

APG-MID/14/8431 21/Apr/2014.pdf



PCN Assembly/Origin



Customers Also Interested in

Recommended Products

SPC560C50L1B4E0X STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	SPC560D30L1B4E0X STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	SPC560D40L1C4E0X STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	SPC560B60L7 STMicroelectronics	SPC560B64L7C6E0X STMicroelectronics IC MCU 32BIT 1.5MB FLASH 176LQFP	SPC560B60L5C6E0X STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP
SPC560B60L5B6E0Y STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	SPC560B64L3B6E0X STMicroelectronics IC MCU 32BIT 1.5MB FLASH 100LQFP	SPC560B64L5C6E0Y STMicroelectronics IC MCU 32BIT 1.5MB FLASH 144LQFP	SPC560B60L7B6E0X STMicroelectronics IC MCU 32BIT 1MB FLASH 176LQFP	SPC560C50L3C6E0X STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	SPC560B64L5C6E0X STMicroelectronics IC MCU 32BIT 1.5MB FLASH 144LQFP
SPC560B60L7C6E0X STMicroelectronics IC MCU 32BIT 1MB FLASH 176LQFP	SPC560C50L3B4E0X STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	SPC560B60L3C6E0X STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	SPC560B60L5B6E0X STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	SPC560D40L1B3E0X STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	SPC560B64L7C6EXX 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 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.

<p>Payment Support</p> <p>The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.</p>	<p>Your Faithful Supply Chain Partner -</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Efficient Supply Management </div> <div style="text-align: center;"> Cost-Saving Procurement </div> <div style="text-align: center;"> Fast Sourcing & Delivery </div> </div> <p>Contact us if you have any questions.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Phone +00852 9146 4856 </div> <div style="text-align: center;"> Email info@allelco.com </div> </div>	<p>Certifications & Memberships</p> <div style="display: flex; justify-content: space-around;"> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> <p style="text-align: right; font-size: small;">View More</p>
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