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See specifications for product details.



SPC584B70E5EHC0X

Manufacturer Part Number	SPC584B70E5EHC0X
Manufacturer	STMicroelectronics
Allelco Part Number	32D-SPC584B70E5EHC0X
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 2MB FLASH 144ETQFP
Package	144-TQFP
Data sheet	SPC584Bx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SPC584B70E5EHC0X - STMicroelectronics.New Original in Stock. Download Linear Technology SPC584B70E5EHC0X datasheet/specifications on AllelcoElec.com. Request a quote for SPC584B70E5EHC0X, please send us email: info@allelco.com

Specifications

SPC584B70E5EHC0X Tech Specifications
SPC584B70E5EHC0X - 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, 1.14V ~ 1.26V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	144-TQFP (20x20)	Number of I/O	124
Speed	120MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, SPC58 4B-Line	EEPROM Size	64K x 8
RAM Size	128K x 8	Data Converters	A/D 64 ch x 1x10b SAR, 3x12b SAR
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	2MB (2M x 8)	Core Processor	e200z420
Peripherals	DMA, POR, WDT	Connectivity	CANbus, Ethernet, I ² C, LINbus, SPI, UART/USART
Package / Case	144-TQFP	Base Product Number	SPC584
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SPC584B70E5EHC0X

Product Attribute				
Part Number	SPC584B70E5EHC0X	SPC5775KK2MMY3AR	SPC58EC80E1Q0C0X	SPC582B60E1CD00X
Manufacturer	STMicroelectronics	NXP USA Inc.	STMicroelectronics	STMicroelectronics
Data Converters	A/D 64 ch x 1x10b SAR, 3x12b SAR	-	-	A/D 27x12b SAR
Operating Temperature	-40°C ~ 105°C (TA)	-	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V, 1.14V ~ 1.26V	-	3.3V, 5V	3.3V, 5V
Peripherals	DMA, POR, WDT	-	DMA	DMA, WDT
Series	Automotive, AEC-Q100, SPC58 4B-Line	*	Automotive, AEC-Q100, SPC58	Automotive, AEC-Q100, SPC58 2B-Line
RAM Size	128K x 8	-	512K x 8	96K x 8
Core Size	32-Bit Single-Core	-	32-Bit Dual-Core	32-Bit Single-Core
Oscillator Type	Internal	-	Internal	Internal
Number of I/O	124	-	48	48
EEPROM Size	64K x 8	-	128K x 8	64K x 8
Program Memory Type	FLASH	-	FLASH	FLASH
Program Memory Size	2MB (2M x 8)	-	4MB (4M x 8)	1MB (1M x 8)
Connectivity	CANbus, Ethernet, I ² C, LINbus, SPI, UART/USART	-	CANbus, I ² C, LINbus, SPI	CANbus, I ² C, LINbus, SPI
Supplier Device Package	144-TQFP (20x20)	-	64-eTQFP (10x10)	64-eTQFP (10x10)
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Speed	120MHz	-	180MHz	80MHz
Base Product Number	SPC584	SPC5775	SPC58	SPC582
Package / Case	144-TQFP	-	64-TQFP Exposed Pad	64-TQFP Exposed Pad
Core Processor	e200z420	-	e200z420	e200z2

SPC584B70E5EHC0X Datasheet PDF

Download SPC584B70E5EHC0X pdf datasheets and STMicroelectronics documentation for SPC584B70E5EHC0X - STMicroelectronics.

Datasheets

[SPC584Bx.pdf](#)

PCN Packaging

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

[SP5xxx 15/Nov/2021.pdf](#)

PCN Design/Specification



Safety Manuals Update 08/Sep/2020.pdf



SPC584Bx Manual/Errata 23/Jul/2020.pdf

PCN Assembly/Origin



SPC58x 15/Mar/2021.pdf

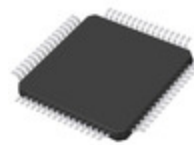
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Recommended Products



SPC5775KK2MMY3AR

NXP USA Inc.
IC 4M FLASH 1.5M RAM 356MAPBGA



SPC58EC80E1Q0C0X

STMicroelectronics
IC MCU 32BIT 4MB FLASH 64ETQFP



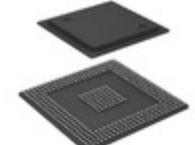
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STMicroelectronics
IC MCU 32BIT 1MB FLASH 64ETQFP



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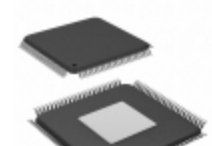
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IC MCU 32BIT 8MB FLASH 416MAPBGA



SPC5777CCMM03

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SPC58EG80E5QEHOY

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IC MCU 32BIT 4MB FLASH 144ETQFP



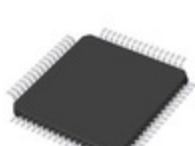
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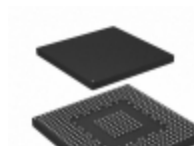
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STMicroelectronics
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STMicroelectronics
IC MCU 32BIT 2MB FLASH 176LQFP



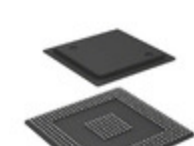
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NXP USA Inc.
IC MCU 32BIT 8MB FLASH 516MAPBGA



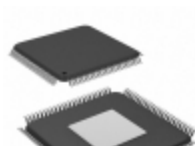
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IC MCU 32BIT 6MB FLASH 292LFBGA



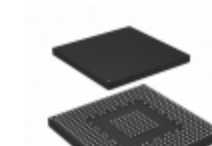
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IC MCU 32BIT 8MB FLASH 416MAPBGA



SPC582B50E3CD00X

STMicroelectronics
IC MCU 32BIT 512KB FLSH 100ETQFP



SPC5777CDK3MMO3

NXP USA Inc.
IC MCU 32BIT 8MB FLASH 516MAPBGA

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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Email

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Certifications & Memberships



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