



SPC5602BF2MLL6

Manufacturer Part Number	SPC5602BF2MLL6
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-SPC5602BF2MLL6
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	Cylindrical Battery Holders.pdf MPC5604B/C.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

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Specifications

SPC5602BF2MLL6 Tech Specifications
SPC5602BF2MLL6 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	79
Speed	64MHz	Mounting Type	Surface Mount
Series	MPC56xx Qorivva	EEPROM Size	64K x 8
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	SPC5602
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5602BF2MLL6

Product Attribute	NO PICTURE			
Part Number	SPC5602BF2MLL6	SPC5602BK0VLL6R	SPC5602BK0VLL6	SPC5601DF1VLH4
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Number of I/O	79	79	79	45
Connectivity	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	CANbus, LINbus, SCI, SPI
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva
Speed	64MHz	64MHz	64MHz	48MHz
Data Converters	A/D 28x10b	A/D 28x10b	A/D 28x10b	A/D 16x12b
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	128KB (128K x 8)
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	SPC5602	SPC5602	SPC5602	SPC5601
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
EEPROM Size	64K x 8	64K x 8	64K x 8	4K x 16
Package / Case	100-LQFP	100-LQFP	100-LQFP	64-LQFP
Package	Tray	Tape & Reel (TR)	Tray	Tray
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)	64-LQFP (10x10)
RAM Size	24K x 8	24K x 8	24K x 8	12K x 8

SPC5602BF2MLL6 Datasheet PDF

Download SPC5602BF2MLL6 pdf datasheets and NXP USA Inc. documentation for SPC5602BF2MLL6 - NXP USA Inc..

Datasheets


Cylindrical Battery Holders.pdf


PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Design/Specification

 Mult Dev DS Chg 11/Feb/2022.pdf

HTML Datasheet

 MPC5604B/C.pdf

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Recommended Products



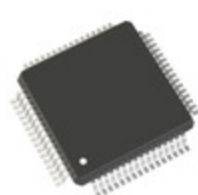
SPC5602BK0VLL6R

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BK0VLL6

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



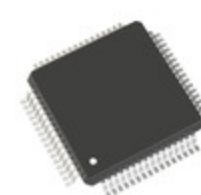
SPC5601DF1VLH4

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 64LQFP



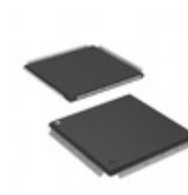
SPC5602BK0VLL4

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5601PEF0MLH6

NXP USA Inc.
IC MCU 32BIT 192KB FLASH 64LQFP



SPC5602BK0CLQ4

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
144LQFP



SPC5602BF2MLL4

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5601PEF0VLH6

Freescle / NXP Semiconductors



SPC5602BK0MLL4

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BK0MLL6R

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BK0VLL4

Freescle Semiconductor
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BK0CLL4

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BK0MLL6

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5601PEMLL6

Freescle / NXP Semiconductors



SPC5602BAVLL4R

NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5602BF2MLL4

Freescle Semiconductor
IC MCU 32BIT 256KB FLASH
100LQFP



SPC5601DVLH4

Freescle / NXP Semiconductors



SPC5602BK0MLL4

Freescle Semiconductor
IC MCU 32BIT 256KB FLASH
100LQFP

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.



Phone

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



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