



SPC5602BK0MLL6

Manufacturer Part Number	SPC5602BK0MLL6
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-SPC5602BK0MLL6
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

SPC5602BK0MLL6 - NXP USA Inc..New Original in Stock. Download Linear Technology SPC5602BK0MLL6 datasheet/specifications on AllelcoElec.com.
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Specifications

SPC5602BK0MLL6 Tech Specifications
SPC5602BK0MLL6 - 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. SPC5602BK0MLL6

Product Attribute	NO PICTURE			
Part Number	SPC5602BK0MLL6	SPC5602BF2MLL4	SPC5602BK0VLQ4	SPC5602BK0VLL6
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	24K x 8	24K x 8	24K x 8	24K x 8
EEPROM Size	64K x 8	64K x 8	64K x 8	64K x 8
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
Base Product Number	SPC5602	SPC5602	SPC5602	SPC5602
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Package	Tray	Bulk	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	144-LQFP (20x20)	100-LQFP (14x14)
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Speed	64MHz	48MHz	48MHz	64MHz
Number of I/O	79	79	123	79
Data Converters	A/D 28x10b	A/D 28x10b	A/D 36x10b	A/D 28x10b
Series	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva
Package / Case	100-LQFP	100-LQFP	144-LQFP	100-LQFP

SPC5602BK0MLL6 Datasheet PDF

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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

Customers Also Interested in

Recommended Products

					
SPC5602BF2MLL4 Freescale Semiconductor IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0VLQ4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 144LQFP	SPC5602BK0VLL6 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0VLL6R NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0MLL6R NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BAVLL4R NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP
					
SPC5601PEVLH16 Freescale / NXP Semiconductors	SPC5602BK0CLL4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BF2MLL6 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0VLQ4 Analog Devices Inc. MPC5602B - BOLERO 512K-NXP 32-bi	SPC5602BF1VLH4 Freescale / NXP Semiconductors	SPC5602BK0MLL4 Freescale Semiconductor IC MCU 32BIT 256KB FLASH 100LQFP
					
SPC5602BF2MLL4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0MLL4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0VLL4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0VLL4 Freescale Semiconductor IC MCU 32BIT 256KB FLASH 100LQFP	SPC5602BK0CLQ4 NXP USA Inc. IC MCU 32BIT 256KB FLASH 144LQFP	SPC5602BMLL4 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 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.



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Contact us if you have any questions.

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