





## SPC5603PEF1MLL6

Manufacturer Part Number	SPC5603PEF1MLL6
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-SPC5603PEF1MLL6
ECAD Model	 Request Free CAD Models
Parts Description	IC MCU 32BIT 384KB FLASH 100LQFP
Package	100-LQFP
Data sheet	MPC5604P Datasheet.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

SPC5603PEF1MLL6 - NXP USA Inc..New Original in Stock. Download Linear Technology SPC5603PEF1MLL6 datasheet/specifications on AllelcoElec.com.

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### Specifications





SPC5603PEF1MLL6 Tech Specifications

SPC5603PEF1MLL6 - 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	68
Speed	64MHz	Mounting Type	Surface Mount
Series	MPC56xx Qorivva	EEPROM Size	64K x 8
RAM Size	36K x 8	Data Converters	A/D 30x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	384KB (384K x 8)	Core Processor	e200z0h
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, FlexRay, LINbus, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	SPC5603
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5603PEF1MLL6

Product Attribute	 NO PICTURE			
Part Number	SPC5603PEF1MLL6	SPC5603PF1VLL6	SPC5604BF2MLL6	SPC5603BAVLL4R
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of I/O	68	68	79	79
Program Memory Size	384KB (384K x 8)	384KB (384K x 8)	512KB (512K x 8)	384KB (384K x 8)
Speed	64MHz	64MHz	64MHz	48MHz
Package / Case	100-LQFP	100-LQFP	100-LQFP	100-LQFP
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva	MPC56xx Qorivva
Connectivity	CANbus, FlexRay, LINbus, SPI, UART/USART	CANbus, FlexRay, LINbus, SPI, UART/USART	CANbus, I²C, LINbus, SCI, SPI	CANbus, I²C, LINbus, SCI, SPI
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	e200z0h	e200z0h	e200z0h	e200z0h
Package	Tray	Tray	Tray	Tape & Reel (TR)
Data Converters	A/D 30x10b	A/D 30x10b	A/D 28x10b	A/D 28x10b
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
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
RAM Size	36K x 8	36K x 8	32K x 8	28K x 8
EEPROM Size	64K x 8	64K x 8	64K x 8	64K x 8
Base Product Number	SPC5603	SPC5603	SPC5604	SPC5603
Oscillator Type	Internal	Internal	Internal	Internal

### SPC5603PEF1MLL6 Datasheet PDF

Download SPC5603PEF1MLL6 pdf datasheets and NXP USA Inc. documentation for SPC5603PEF1MLL6 - NXP USA Inc..

#### Datasheets



MPC5604P Datasheet.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

 MPC5604P ERRATA UPDATE 23/May/2016.pdf

Customers Also Interested in

Recommended Products



**SPC5603PF1VLL6**  
NXP USA Inc.  
IC MCU 32BIT 384KB FLASH  
100LQFP







**SPC5603PEF1MLL6**  
Analog Devices Inc.  
MPC5603P - PICTUS 512K-NXP 32-bi

**SPC5604BF2MLL6**  
NXP USA Inc.  
IC MCU 32BIT 512KB FLASH  
100LQFP

**SPC5604BF2MLL6**  
Analog Devices Inc.  
MPC5604B - BOLERO 512K-NXP 32-bi

**SPC5603BAVLL4R**  
NXP USA Inc.  
IC MCU 32BIT 384KB FLASH  
100LQFP

**SPC5603CK0CLL6**  
NXP USA Inc.  
IC MCU 32BIT 384KB FLASH  
100LQFP



**SPC5604BF2VLL6R**  
NXP USA Inc.  
IC MCU 32BIT 512KB FLASH  
100LQFP


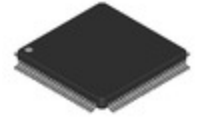

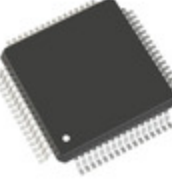

**SPC5603BF2VLH4R**  
Freescale Semiconductor  
IC MCU 32BIT 384KB FLASH 64LQFP

**SPC5604BF2VLH6R**  
NXP USA Inc.  
IC MCU 32BIT 512KB FLASH 64LQFP

**SPC5603EEVLH**  
Freescale / NXP Semiconductors

**SPC5604BF2VLH4**  
NXP USA Inc.  
IC MCU 32BIT 512KB FLASH 64LQFP

**SPC5603BMLH6**  
Freescale / NXP Semiconductors



**SPC5603BF2CLL4**  
NXP USA Inc.  
IC MCU 32BIT 384KB FLASH  
100LQFP

**SPC5603BF2VLH4R**  
NXP USA Inc.  
IC MCU 32BIT 384KB FLASH 64LQFP

**SPC5604BF2MLQ6**  
NXP USA Inc.  
IC MCU 32BIT 512KB FLASH  
144LQFP

**SPC5603CK0CLL6**  
Freescale Semiconductor  
IC MCU 32BIT 384KB FLASH  
100LQFP

**SPC5603BVLH4**  
Freescale / NXP Semiconductors

**SPC5602PEVLL6**  
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 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			DHL & FedEx Shipment Charges Reference	
Region	Country	Logistic Time(Day)	Shipment charges(KG)	Reference DHL(USD\$)
America	United States	5	0.00kg-1.00kg	USD\$60.00
	Brazil	7	1.00kg-2.00kg	USD\$70.00
Europe	Germany	5	2.00kg-3.00kg	USD\$80.00
	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
	New Zealand	7		
Asia	India	6		
	Japan	7		
Middle East	Israel	6		


**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:  
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