



Image may be representation.
See specifications for product details.



SPC5604PEF1MLQ6

| | |
|--------------------------|----------------------------------------|
| Manufacturer Part Number | SPC5604PEF1MLQ6 |
| Manufacturer | NXP Semiconductors |
| Allelco Part Number | 32D-SPC5604PEF1MLQ6 |
| ECAD Model | Request Free CAD Models |
| Parts Description | IC MCU 32BIT 512KB FLASH 144LQFP |
| Package | 144-LQFP |
| Data sheet | Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

SPC5604PEF1MLQ6 - NXP USA Inc..New Original in Stock. Download Linear Technology SPC5604PEF1MLQ6 datasheet/specifications on AllelcoElec.com.
Request a quote for SPC5604PEF1MLQ6, please send us email: info@allelco.com

Specifications

SPC5604PEF1MLQ6 Tech Specifications

SPC5604PEF1MLQ6 - 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 | 144-LQFP (20x20) | Number of I/O | 108 |
| Speed | 64MHz | Mounting Type | Surface Mount |
| Series | MPC56xx Qorivva | EEPROM Size | 64K x 8 |
| RAM Size | 40K x 8 | Data Converters | A/D 30x10b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 512KB (512K x 8) | Core Processor | e200z0h |
| Peripherals | DMA, POR, PWM, WDT | Connectivity | CANbus, FlexRay, LINbus, SPI, UART/USART |
| Package / Case | 144-LQFP | Base Product Number | SPC5604 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. SPC5604PEF1MLQ6

| Product Attribute | | | | |
|----------------------------|------------------------------------------|------------------------------------------|--------------------------------------------|--------------------------------------------|
| Part Number | SPC5604PEF1MLQ6 | SPC5604PEF1MLL6 | SPC5604CK0VLL6R | SPC5605BF1MLQ6 |
| Manufacturer | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. |
| Connectivity | CANbus, FlexRay, LINbus, SPI, UART/USART | CANbus, FlexRay, LINbus, SPI, UART/USART | CANbus, I ² C, LINbus, SCI, SPI | CANbus, I ² C, LINbus, SCI, SPI |
| Number of I/O | 108 | 68 | 79 | 121 |
| Speed | 64MHz | 64MHz | 64MHz | 64MHz |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Peripherals | DMA, POR, PWM, WDT | DMA, POR, PWM, WDT | DMA, POR, PWM, WDT | DMA, POR, PWM, WDT |
| Core Processor | e200z0h | e200z0h | e200z0h | e200z0h |
| Operating Temperature | -40°C ~ 125°C (TA) | -40°C ~ 125°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 125°C (TA) |
| Series | MPC56xx Qorivva | MPC56xx Qorivva | MPC56xx Qorivva | MPC56xx Qorivva |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |
| RAM Size | 40K x 8 | 40K x 8 | 48K x 8 | 64K x 8 |
| Base Product Number | SPC5604 | SPC5604 | SPC5604 | SPC5605 |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 5.5V | 3V ~ 5.5V | 3V ~ 5.5V | 3V ~ 5.5V |
| Supplier Device Package | 144-LQFP (20x20) | 100-LQFP (14x14) | 100-LQFP (14x14) | 144-LQFP (20x20) |
| Program Memory Size | 512KB (512K x 8) | 512KB (512K x 8) | 512KB (512K x 8) | 768KB (768K x 8) |
| EEPROM Size | 64K x 8 | 64K x 8 | 64K x 8 | 64K x 8 |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Data Converters | A/D 30x10b | A/D 30x10b | A/D 28x10b | A/D 15x10b, 5x12b |
| Package | Tray | Tray | Tape & Reel (TR) | Tray |
| Package / Case | 144-LQFP | 100-LQFP | 100-LQFP | 144-LQFP |

SPC5604PEF1MLQ6 Datasheet PDF

Download SPC5604PEF1MLQ6 pdf datasheets and NXP USA Inc. documentation for SPC5604PEF1MLQ6 - 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

 MPC5604P ERRATA UPDATE 23/May/2016.pdf

Customers Also Interested in

Recommended Products



SPC5604PEF1MLL6

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



SPC5604CK0VLL6R

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



SPC5604CVLL6

Freescale / NXP Semiconductors



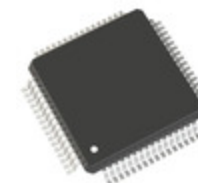
SPC5605BF1MLL6

Analog Devices Inc.
MPC5605B - BOLERO 1.5M-NXP 32-bi



SPC5605BF1MLQ6

NXP USA Inc.
IC MCU 32BIT 768KB FLASH
144LQFP



SPC5604EEF2MLH

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



SPC5604PF1VLQ6

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



SPC5605BF1MLL6

NXP USA Inc.
IC MCU 32BIT 768KB FLASH
100LQFP



SPC5605BF1MLL6R

NXP USA Inc.
IC MCU 32BIT 768KB FLASH
100LQFP



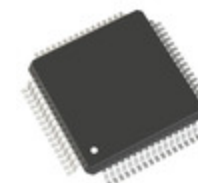
SPC5604PGF1MLQ6

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



SPC5604ESF2MLH

Freescale Semiconductor
IC MCU 32BIT 512KB FLASH 64LQFP



SPC5604ESF2MLH

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



SPC5604EEMLH

Freescale / NXP Semiconductors



SPC5604PEF1MLL6

Analog Devices Inc.
MPC5604P - PICTUS 512K-NXP 32-bi



SPC5605BF1MLQ6

Analog Devices Inc.
MPC5605B - BOLERO 1.5M-NXP 32-bi



SPC5604PEMLL6

Freescale / NXP Semiconductors



SPC5604EEF2MLHR

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



SPC5604CMLL6

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

| 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@allelco.com

Certifications & Memberships



View More

