



### SPC5605BK0VLL4 Information



For Reference Only

Part Number SPC5605BK0VLL4

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** NXP 32-BIT MCU POWER ARCH CORE

Package 100-LQFF

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# SPC5605BK0VLL4 Specifications

Manufacturer Part Number         SPC5605BK0VLL4           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-LQFP           Series         MPC56xx Qorivva           Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         77           Program Memory Size         768KB (768K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 7x10b, 5x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-LQFP           Series         MPC56xx Qorivva           Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         77           Program Memory Size         768KB (768K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 7x10b, 5x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Manufacturer Part Number	SPC5605BK0VLL4
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Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, IPC, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         77           Program Memory Size         768KB (768K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 7x10b, 5x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Package	100-LQFP
Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, I°C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         77           Program Memory Size         768KB (768K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 7x10b, 5x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Series	MPC56xx Qorivva
Speed         64MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         77           Program Memory Size         768KB (768K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 7x10b, 5x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Core Processor	e200z0h
Connectivity  Peripherals  DMA, POR, PWM, WDT  Number of I/O  Program Memory Size  768KB (768K x 8)  Program Memory Type  FLASH  EEPROM Size  64K x 8  RAM Size  64K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 7x10b, 5x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Package / Case  100-LQFP  Supplier Device Package	Core Size	32-Bit
Peripherals  Number of I/O  77  Program Memory Size  768KB (768K x 8)  Program Memory Type  FLASH  EEPROM Size  64K x 8  RAM Size  64K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 7x10b, 5x12b  Oscillator Type  Internal  Operating Temperature  A-40°C ~ 105°C (TA)  Mounting Type  - Package / Case  Supplier Device Package  100-LQFP (14x14)	Speed	64MHz
Number of I/O Program Memory Size 768KB (768K x 8) Program Memory Type FLASH EEPROM Size 64K x 8  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 7x10b, 5x12b  Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case Supplier Device Package 100-LQFP (14x14)	Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Program Memory Size Program Memory Type FLASH EEPROM Size 64K x 8  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 7x10b, 5x12b  Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 100-LQFP Supplier Device Package	Peripherals	DMA, POR, PWM, WDT
Program Memory Type  EEPROM Size  64K x 8  RAM Size  64K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 7x10b, 5x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  100-LQFP  Supplier Device Package	Number of I/O	77
EEPROM Size 64K x 8  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 7x10b, 5x12b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Program Memory Size	768KB (768K x 8)
RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 7x10b, 5x12b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 7x10b, 5x12b$ Oscillator Type Internal  Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)  Mounting Type $-$ Package / Case $100\text{-LQFP}$ Supplier Device Package $100\text{-LQFP}$ $100\text{-LQFP}$	EEPROM Size	64K x 8
Data Converters $A/D 7x10b, 5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $100\text{-LQFP}$ Supplier Device Package $100\text{-LQFP} (14x14)$	RAM Size	64K x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)} $ Mounting Type $ - $ Package / Case $ 100\text{-LQFP} $ Supplier Device Package $ 100\text{-LQFP (14x14)} $	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	Data Converters	A/D 7x10b, 5x12b
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Oscillator Type	Internal
Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 100-LQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
Report errors?	Supplier Device Package	100-LQFP (14x14)
		Report errors

#### SPC5605BK0VLL4 Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## SPC5605BK0VLL4 Payment Methods



















### SPC5605BK0VLL4 Shipping Methods













If you have any question about SPC5605BK0VLL4, please do not hesitate to contact us!

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