



### **SPC5603BAVLL4 Information**



For Reference Only

Part Number SPC5603BAVLL4

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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# **SPC5603BAVLL4 Specifications**

Manufacturer Part Number         SPC5603BAVLL4           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-LQFP           Series         MPC56xx Qorivva           Core Processor         e20020h           Core Size         32-Bit           Speed         48MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           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         48MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           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	SPC5603BAVLL4
Package         100-LQFP           Series         MPC56xx Qorivva           Core Processor         e200z0h           Core Size         32-Bit           Speed         48MHz           Connectivity         CANbus, PC, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)	Manufacturer	NXP
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Series         MPC56xx Qorivva           Core Processor         e200z0h           Core Size         32-Bit           Speed         48MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-LQFP           Supplier Device Package         100-LQFP (14x14)		Embedded - Microcontrollers
Core Processor         e200z0h           Core Size         32-Bit           Speed         48MHz           Connectivity         CANbus, IPC, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           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         48MHz           Connectivity         CANbus, I°C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         79           Program Memory Size         384KB (384K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         28K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 28x10b           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
Speed48MHzConnectivityCANbus, PC, LINbus, SCI, SPIPeripheralsDMA, POR, PWM, WDTNumber of I/O79Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size28K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 28x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Core Processor	e200z0h
Connectivity  Peripherals  DMA, POR, PWM, WDT  Number of I/O  Program Memory Size  384KB (384K x 8)  Program Memory Type  FLASH  EEPROM Size  64K x 8  RAM Size  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Supplier Device Package  100-LQFP  100-LQFP (14x14)	Core Size	32-Bit
Peripherals Number of I/O 79 Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 28K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 28x10b Oscillator Type Internal Operating Temperature A-0°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 100-LQFP (14x14)	Speed	48MHz
Number of I/O Program Memory Size 384KB (384K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 28K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 28x10b 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  28K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 28x10b  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  28K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  100-LQFP  Supplier Device Package	Number of I/O	79
EEPROM Size 64K x 8  RAM Size 28K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 28x10b  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	384KB (384K x 8)
RAM Size 28K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 28x10b  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)  Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  100-LQFP  Supplier Device Package	EEPROM Size	64K x 8
Data Converters  A/D 28x10b  Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 100-LQFP  Supplier Device Package 100-LQFP (14x14)	RAM Size	28K 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 $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case $100\text{-LQFP}$ Supplier Device Package $100\text{-LQFP} (14x14)$	Data Converters	A/D 28x10b
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?

#### SPC5603BAVLL4 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.

# SPC5603BAVLL4 Payment Methods



















# SPC5603BAVLL4 Shipping Methods













If you have any question about SPC5603BAVLL4, please do not hesitate to contact us!

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