



## SPC5604BF2CLQ6R Information



For Reference Only

Part Number SPC5604BF2CLQ6R

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

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

Package 144-LQFI

For the pricing/inventory/lead time, please contact

us

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



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## SPC5604BF2CLQ6R Specifications

Manufacturer Part Number         SPC5604BF2CLQ6R           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         144-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         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP	• •	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         144-LQFP           Series         MPC56xx Qorivva           Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, I³C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP	Manufacturer Part Number	SPC5604BF2CLQ6R
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Package         144-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         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP	Category	Integrated Circuits (ICs)
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         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP		Embedded - Microcontrollers
Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, I²C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP (20x20)	Package	144-LQFP
Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, I*C, LINbus, SCI, SPI           Peripherals         DMA, POR, PWM, WDT           Number of I/O         123           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 36x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         144-LQFP           Supplier Device Package         144-LQFP	Series	MPC56xx Qorivva
Speed64MHzConnectivityCANbus, PC, LINbus, SCI, SPIPeripheralsDMA, POR, PWM, WDTNumber of I/O123Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size32K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 36x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Processor	e200z0h
Connectivity  Peripherals  DMA, POR, PWM, WDT  Number of I/O  123  Program Memory Size  512KB (512K 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 36x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  144-LQFP  Supplier Device Package	Core Size	32-Bit
Peripherals Number of I/O 123 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 36x10b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 144-LQFP (20x20)	Speed	64MHz
Number of I/O Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 64K x 8  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 36x10b  Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case Supplier Device Package 144-LQFP (20x20)	Connectivity	CANbus, I <sup>2</sup> C, LINbus, SCI, SPI
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  64K x 8  RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 36x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  Supplier Device Package  144-LQFP  Supplier Device Package	Peripherals	DMA, POR, PWM, WDT
Program Memory Type FLASH  EEPROM Size 64K x 8  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 36x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 144-LQFP  Supplier Device Package 144-LQFP (20x20)	Number of I/O	123
EEPROM Size 64K x 8  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 36x10b  Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 144-LQFP  Supplier Device Package 144-LQFP (20x20)	Program Memory Size	512KB (512K x 8)
RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 36x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  144-LQFP  Supplier Device Package	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 36x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	64K x 8
Data ConvertersA/D 36x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	32K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 144-LQFP Supplier Device Package 144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $144\text{-LQFP}$ Supplier Device Package $144\text{-LQFP}$ (20x20)	Data Converters	A/D 36x10b
Mounting Type - Package / Case 144-LQFP Supplier Device Package 144-LQFP (20x20)	Oscillator Type	Internal
Package / Case 144-LQFP Supplier Device Package 144-LQFP (20x20)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 144-LQFP (20x20)	Mounting Type	-
	Package / Case	144-LQFP
Report errors?	Supplier Device Package	144-LQFP (20x20)
		Report errors?

### SPC5604BF2CLQ6R 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.

### SPC5604BF2CLQ6R Payment Methods



















### SPC5604BF2CLQ6R Shipping Methods













If you have any question about SPC5604BF2CLQ6R, please do not hesitate to contact us!

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