



SPC5606SF2VLU6R Information

Part Number SPC5606SF2VLU6R

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 1MB FLASH 176LQFP

Package 176-LQFF

For the pricing/inventory/lead time, please contact

us

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



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SPC5606SF2VLU6R Specifications

Manufacturer SPC5606SF2VLU6R Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 176-LQFP Scries MPC56xx Qorivva Core Processor e20020h Core Size 32-Bit Speed 64MHz Connectivity CAN, 12C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	•	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 176-LQFP Series MPC56xx Qorivva Core Processor e200z0h Core Size 32-Bit Speed 64MHz Connectivity CAN, 12C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP	Manufacturer Part Number	SPC5606SF2VLU6R
Package 176-LQFP Series MPC56xx Qorivva Core Processor e200z0h Core Size 32-Bit Speed 64MHz Connectivity CAN, 12C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP	Manufacturer	NXP
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Series MPC56xx Qorivva Core Processor e200z0h Core Size 32-Bit Speed 64MHz Connectivity CAN, 12C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)		Embedded - Microcontrollers
Core Processor e200z0h Core Size 32-Bit Speed 64MHz Connectivity CAN, 12C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Package	176-LQFP
Core Size 32-Bit Speed 64MHz Connectivity CAN, I2C, LIN, SCI, SPI Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 136 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Series	MPC56xx Qorivva
Speed64MHzConnectivityCAN, I2C, LIN, SCI, SPIPeripheralsDMA, LCD, POR, PWM, WDTNumber of I/O136Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LQFP (24x24)	Core Processor	e200z0h
Connectivity Conne	Core Size	32-Bit
Peripherals Number of I/O 136 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature A-0°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 176-LQFP (24x24)	Speed	64MHz
Number of I/O Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 176-LQFP 176-LQFP (24x24)	Connectivity	CAN, I2C, LIN, SCI, SPI
Program Memory Size Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package	Peripherals	DMA, LCD, POR, PWM, WDT
Program Memory Type EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package	Number of I/O	136
EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Program Memory Size	1MB (1M x 8)
RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case176-LQFPSupplier Device Package176-LQFP (24x24)	EEPROM Size	64K x 8
Data ConvertersA/D $16x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 176-LQFP Supplier Device Package 176-LQFP ($24x24$)	RAM Size	48K x 8
Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case 176-LQFP Supplier Device Package $176\text{-LQFP} (24x24)$	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 176-LQFP Supplier Device Package $176\text{-LQFP} (24x24)$	Data Converters	A/D 16x10b
Mounting Type - Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Oscillator Type	Internal
Package / Case 176-LQFP Supplier Device Package 176-LQFP (24x24)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 176-LQFP (24x24)	Mounting Type	-
	Package / Case	176-LQFP
Report errors?	Supplier Device Package	176-LQFP (24x24)
		Report errors

SPC5606SF2VLU6R Guarantees



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Service Guarantees

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SPC5606SF2VLU6R Payment Methods





















SPC5606SF2VLU6R Shipping Methods













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