



SPC5606BK0MLL6 Information



For Reference Only

Part Number SPC5606BK0MLL6

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description NXP 32-BIT MCU POWER ARCH CORE

Package 100-LQFI

For the pricing/inventory/lead time, please contact

us

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SPC5606BK0MLL6 Specifications

Manufacturer SPC5606BK0MLL6 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 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 80K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 7x10b, 5x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type -	•	
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Embedded - MicrocontrollersPackage 100-LQFP Series $MPC56xx$ QorivvaCore 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 $1MB (1M x 8)$ Program Memory Type $FLASH$ $EEPROM Size$ $64K x 8$ $RAM Size$ $80K x 8$ $Voltage$ - Supply (Vcc/Vdd) $3 V \sim 5.5 V$ Data Converters $A/D 7x10b, 5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 125^{\circ}C (TA)$ Mounting Type-	Manufacturer	NXP
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Core Processore200z0hCore Size32-BitSpeed64MHzConnectivityCANbus, I²C, LINbus, SCI, SPIPeripheralsDMA, POR, PWM, WDTNumber of I/O77Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size80K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 7x10b, 5x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-	Package	100-LQFP
Core Size 32-Bit Speed 64MHz Connectivity $CANbus$, PC , LINbus, SCI, SPIPeripherals DMA , POR, PWM, WDTNumber of I/O 77 Program Memory Size $1MB$ ($1M \times 8$)Program Memory Type $FLASH$ EEPROM Size $64K \times 8$ RAM Size $80K \times 8$ Voltage - Supply (Vcc/Vdd) $3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 7x10b$, $5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-	Series	MPC56xx Qorivva
Speed $64MHz$ ConnectivityCANbus, PC, LINbus, SCI, SPIPeripheralsDMA, POR, PWM, WDTNumber of I/O 77 Program Memory Size $1MB (1M \times 8)$ Program Memory TypeFLASHEEPROM Size $64K \times 8$ RAM Size $80K \times 8$ Voltage - Supply (Vcc/Vdd) $3 V \sim 5.5 V$ Data Converters $A/D 7x10b, 5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 125^{\circ}C (TA)$ Mounting Type-	Core Processor	e200z0h
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Peripherals DMA, POR, PWM, WDT 77 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 80K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 7x10b, 5x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type -	Speed	64MHz
Number of I/O77Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size80K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 7x10b, 5x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-	Connectivity	CANbus, I ² C, LINbus, SCI, SPI
Program Memory Size Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 80K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 7x10b, 5x12b Oscillator Type Internal Operating Temperature 40°C ~ 125°C (TA) Mounting Type -	Peripherals	DMA, POR, PWM, WDT
Program Memory Type EEPROM Size 64K x 8 RAM Size 80K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 7x10b, 5x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type -	Number of I/O	77
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RAM Size $80K \times 8$ Voltage - Supply (Vcc/Vdd) $3 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 7x10b, 5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $3 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D 7x10b, 5x12bOscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-	EEPROM Size	64K x 8
Data ConvertersA/D $7x10b$, $5x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting Type-	RAM Size	80K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type -	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C (TA) Mounting Type -	Data Converters	A/D 7x10b, 5x12b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 125°C (TA)
100 1 0 7 0	Mounting Type	-
Package / Case 100-LQFP	Package / Case	100-LQFP
Supplier Device Package 100-LQFP (14x14)	Supplier Device Package	100-LQFP (14x14)
Report errors?		Report errors?

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SPC5606BK0MLL6 Shipping Methods













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