

# SPC560P60L3CEFAY

### SPC560P60L3CEFAY Information



For Reference Only

Part Number SPC560P60L3CEFAY

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** AUTOMOTIVE DIGITAL

Package 100-LQFP

For the pricing/inventory/lead time, please contact

us

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## SPC560P60L3CEFAY Specifications

Manufacturer Part NumberSPC560P60L3CEFAYManufacturerSTMicroelectronicsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesAutomotive, AEC-Q100, SPC56Core Processore200z0hCore Size32-BitSpeed64MHzConnectivityCANbus, LINbus, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O49Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size80K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)		
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-LQFP           Series         Automotive, AEC-Q100, SPC56           Core Processor         e200z0h           Core Size         32-Bit           Speed         64MHz           Connectivity         CANbus, LINbus, SPI, UART/USART           Peripherals         DMA, POR, PWM, WDT           Number of I/O         49           Program Memory Size         IMB (1M x 8)           Program Memory Type         FLASH           EEPROM Size         64K x 8           RAM Size         80K x 8           Voltage - Supply (Vcc/Vdd)         4.5 V ~ 5.5 V           Data Converters         A/D 16x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)	Manufacturer Part Number	SPC560P60L3CEFAY
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Package 100-LQFP Series Automotive, AEC-Q100, SPC56 Core Processor e200z0h Core Size 32-Bit Speed 64MHz Connectivity CANbus, LINbus, SPI, UART/USART Peripherals DMA, POR, PWM, WDT Number of I/O 49 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) 4.5 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA)	Category	Integrated Circuits (ICs)
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Core Processore200z0hCore Size $32$ -BitSpeed $64$ MHzConnectivityCANbus, LINbus, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O $49$ Program Memory Size $1$ MB ( $1$ M x 8)Program Memory TypeFLASHEEPROM Size $64$ K x 8RAM Size $80$ K x 8Voltage - Supply (Vcc/Vdd) $4.5$ V $\sim 5.5$ VData Converters $A/D 16x10b$ Oscillator TypeInternalOperating Temperature $-40$ °C $\sim 125$ °C (TA)	Package	100-LQFP
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Connectivity  C	Core Size	32-Bit
Peripherals  DMA, POR, PWM, WDT  Number of I/O  49  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)  4.5 V ~ 5.5 V  Data Converters  A/D 16x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)	Speed	64MHz
Number of I/O  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)  4.5 V ~ 5.5 V  Data Converters  A/D 16x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)	Connectivity	CANbus, LINbus, SPI, UART/USART
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) $4.5 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 16x10b$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Peripherals	DMA, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size $64K \times 8$ RAM Size $80K \times 8$ Voltage - Supply (Vcc/Vdd) $4.5 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $16x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)	Number of I/O	49
EEPROM Size $64K \times 8$ RAM Size $80K \times 8$ Voltage - Supply (Vcc/Vdd) $4.5 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 16x10b$ Oscillator Type Internal  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Program Memory Size	1MB (1M x 8)
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Data Converters A/D $16x10b$ Oscillator Type Internal  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)	RAM Size	80K x 8
Oscillator Type Internal $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Data Converters	A/D 16x10b
	Oscillator Type	Internal
V	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	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?

### SPC560P60L3CEFAY Guarantees



#### **Ouality 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.

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