



S6E1A12C0AGN2B000 Information

Heisener.com

Part Number S6E1A12C0AGN2B000

Manufacturer Cypress Semiconductor Corp

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 88KB FLASH

Package -

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









S6E1A12C0AGN2B000 Specifications

Manufacturer Part Number S6EIA12COAGN2B000 Manufacturer Cypress Semiconductor Corp Category Integrated Circuits (ICs) Embedded - Microcontrollers Package - Series FM0+ S6E1A1 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 40MHz Connectivity CSIO, I2C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package - Report errors?	*	
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package - Series FM0+ S6E1A1 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Manufacturer Part Number	S6E1A12C0AGN2B000
Package - Series FM0+ S6E1A1 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Manufacturer	Cypress Semiconductor Corp
Package - Series FM0+ S6E1A1 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Category	Integrated Circuits (ICs)
Series FM0+ S6E1A1 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed40MHzConnectivityCSIO, 12C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O37Program Memory Size88KB (88K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Package	-
Core Size 32-Bit Speed 40MHz Connectivity CSIO, 12C, LIN, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Series	FM0+ S6E1A1
Speed40MHzConnectivityCSIO, 12C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O37Program Memory Size88KB (88K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Core Processor	ARM? Cortex?-M0+
Connectivity Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA) Mounting Type Package / Case Supplier Device Package - CSIO, I2C, LIN, UART/USART DMA, LVD, POR, PWM, WDT 37 A/D 8x B	Core Size	32-Bit
Peripherals Number of I/O 37 Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case Supplier Device Package - DMA, LVD, POR, PWM, WDT 37 A/D 8VM, WDT A/D 8VM (WD) A/D 8VM (Speed	40MHz
Number of I/O Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package - Supplier Device Package - 88KB (88K x 8) FLASH FLASH FLASH FLASH FLASH FLASH FLASH - - - - - - - - - - - - -	Connectivity	CSIO, I2C, LIN, UART/USART
Program Memory Size 88KB (88K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package - Supplier Device Package	Peripherals	DMA, LVD, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Number of I/O	37
EEPROM Size - GK x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Supplier Device Package - Supplier Device Package	Program Memory Size	88KB (88K x 8)
RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 8x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case-Supplier Device Package-	EEPROM Size	-
Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	RAM Size	6K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case - Supplier Device Package -	Data Converters	A/D 8x12b
Mounting Type - Package / Case - Supplier Device Package -	Oscillator Type	Internal
Package / Case - Supplier Device Package -	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package -	Mounting Type	-
	Package / Case	-
Report errors?	Supplier Device Package	-
		Report errors?

S6E1A12C0AGN2B000 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.

S6E1A12C0AGN2B000 Payment Methods



















S6E1A12C0AGN2B000 Shipping Methods













If you have any question about S6E1A12C0AGN2B000, please do not hesitate to contact us!

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