

S6E2C29H0AGV20000

S6E2C29H0AGV20000 Information

Heisener.com	Part Number Manufacturer Category Description Package	S6E2C29H0AGV20000 Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers MM MCU 144-LQFP For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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S6E2C29H0AGV20000 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesFM4 S6E2C2Core ProcessorARM© Cortex®-M4FCore Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBParipheralsDMA, LVD, POR, PWM, WDTPargam Memory Size1,5MB (1.5M x 8)EEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2,7V ~ 5.5VData ConvertersAnd 24x12b; D/A 2x12bDerating Temperature40°C ~ 125°C (TA)Package / Case144-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesFM4 S6E2C2Core ProcessorARM® Cortex®-M4FCore Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Pergoram Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDocalitor TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFP (20x20)	Manufacturer Part Number	S6E2C29H0AGV20000	
Embedded - MicrocontrollersPackage144-LQFPSeriesFM4 S6E2C2Core ProcessorARM® Cortex®-M4FCore Size32-BitSpeed200MHzConcertivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFP (2020)	Manufacturer	Cypress Semiconductor Corp	
Package I.44-LQFP Series FM4 S6E2C2 Core Processor ARM® Cortex®-M4F Core Size 32-Bit Speed 200MHz Connectivity CSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USB Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 120 Program Memory Size 1.5MB (1.5M x 8) Performan Memory Type FLASH EEPROM Size - Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V Data Converters A/D 24x12b; D/A 2x12b Deriting Temperature 4.0°C ~ 125°C (TA) Operating Temperature Surface Mount Package / Case 144-LQFP Supplier Device Package 144-LQFP	Category	Integrated Circuits (ICs)	
SeriesFM4 SGE2C2Core ProcessorARM® Cortex®-M4FCore Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDocilator TypeInternalOperating Temperature40°C ~ 125°C (TA)Package / Case144-LQFP (20x20)		Embedded - Microcontrollers	
Core ProcessorARM® Cortex®-M4FCore Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)EEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersAD 24x12b; D/A 2x12bDerating Temperature4.0°C ~ 125°C (TA)Preakage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Package	144-LQFP	
Core Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersAD 24x12b; D/A 2x12bDocating TypeInternalOperating Type40°C ~ 125°C (TA)Package / Case144-LQFP (20x20)	Series	FM4 S6E2C2	
Speed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Processor	ARM® Cortex®-M4F	
Connectivity CSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USB Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 120 Program Memory Size 1.5MB (1.5M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 192K x 8 Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V Data Converters A/D 24x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Package / Case 144-LQFP (20x20)	Core Size	32-Bit	
PeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Speed	200MHz	
Number of I/O120Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Connectivity	CSIO, EBI/EMI, Ethernet, I ² C, LINbus, SD, UART/USART, USB	
Program Memory Size1.5MB (1.5M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDoscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDoscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Number of I/O	120	
EEPROM Size-RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bData ConvertersInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	1.5MB (1.5M x 8)	
RAM Size192K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	-	
Data ConvertersA/D 24x12b; D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	192K x 8	
Dscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	
Deperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Data Converters	A/D 24x12b; D/A 2x12b	
Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Oscillator Type	Internal	
Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package144-LQFP (20x20)	Mounting Type	Surface Mount	
	Package / Case	144-LQFP	
Report errors?	Supplier Device Package	144-LQFP (20x20)	
			Report errors?

S6E2C29H0AGV20000 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.



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