

# S6E2C2AH0AGV20000

### S6E2C2AH0AGV20000 Information

Cital Investment Len	Part Number Manufacturer Category Description Package	S6E2C2AH0AGV20000 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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### S6E2C2AH0AGV20000 Specifications

Manufacturer Part NumberSGE2C2AH0AGV2000ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPStriesFMA SGE2C2Core ProcessorARM® Cores®-M4FConce Size32-BitSpeed200MHzConcetivityCSIO, EB/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size-Package206K x 8Voltage - Supply (Vcc/Vdd)27V ~ 5.5VData Converters-400 C At12b; DA 2x12bOscillor Type-400 C At12b; CTA)Munufa TypeSuface MountPackage Case-400 C At12b; CTA)Package Case-400 C At12b; CTA)Suppler Device Package144-LQFPSuppler Device Package <th>_</th> <th></th> <th></th>	_		
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 Size2MB (2M x 8)Pergorm Memory TypeFLASHEEPROM Size-Notate - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature4.0°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Manufacturer Part Number	S6E2C2AH0AGV20000	
IndextorEmbedded - 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 Size2MB (2M x 8)Pergram Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSuface MountPackage / Case144-LQFP (20x20)	Manufacturer	Cypress Semiconductor Corp	
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Core Size32-BitSpeed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K 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 (2020)	Series	FM4 S6E2C2	
Speed200MHzConnectivityCSIO, EBI/EMI, Ethernet, PC, LINbus, SD, UART/USART, USBPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O120Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)27V ~ 5.5VData ConvertersAnd 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting Type144-LQFP (20x20)	Core Processor	ARM® Cortex®-M4F	
Ó Ó   Connectivity CSIO, EBI/EMI, Ethernet, IºC, LINbus, SD, UART/USART, USB   Peripherals DMA, LVD, POR, PWM, WDT   Number of I/O 120   Program Memory Size 2MB (2M x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 256K x 8   Yoltage - 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)   Mounting Type Sufface Mount   Package / Case 144-LQFP   Supplier Device Package 144-LQFP (20x20)	Core Size	32-Bit	
Peripherals DMA, LVD, POR, PWM, WDT   Number of I/O 120   Program Memory Size 2MB (2M x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 256K 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)   Mounting Type Surface Mount   Package / Case 144-LQFP (20x20)	Speed	200MHz	
Number of I/O120Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFP (20x20)	Connectivity	CSIO, EBI/EMI, Ethernet, I <sup>2</sup> C, LINbus, SD, UART/USART, USB	
Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFP (20x20)	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Number of I/O	120	
EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	2MB (2M x 8)	
RAM Size256K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH	
Note of the formerVoltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	-	
Data ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	256K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	
Operating 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 <sup>4</sup>	Supplier Device Package	144-LQFP (20x20)	
			Report errors?

#### S6E2C2AH0AGV20000 Guarantees



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#### **Service Guarantees**

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