

# S6E2H16E0AGV20000

### S6E2H16E0AGV20000 Information

www.helsener.com	 S6E2H16E0AGV20000 Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 544KB FLASH 80LQFP 80-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

### **Certified Quality**

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## S6E2H16E0AGV20000 Specifications

CategoryDefendence of proceeding of the p		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-LQFPSeriesFM4 S6E2H1Core ProcessorARM? Cortex?-M4FCore Size32-BitSpeed160MHzConnectivityCSIO, EBI/EMI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O63Program Memory Size544KB (544K x 8)Pergram Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12b. D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Manufacturer Part Number	S6E2H16E0AGV20000
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SeriesFM4 S622H1Core ProcessorARM? Cortex?-M4FCore Size32-BitSpeed160MHzConnectivityCSIO, EBI/EMI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O63Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersAD 16x12b. D/A 2x12bOscillator Type-Program Type-Program Type-Program Size-Suppler Case80-LQFPSupplier Device Package80-LQFP (12x12)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M4FCore Size32-BitSpeed160MHzConnectivityCSIO, EBI/EMI, 12C, LIN, UART/USARTPoripheralsDMA, LVD, POR, PWM, WDTNumber of I/O63Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersAD1 6x12b. D/A 2x12bOperating Temperature-Qore Alfords Type-Prokage / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Package	80-LQFP
Core Size32-BitSpeed160MHzConnectivityCSIO, EBI/EMI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O63Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersAlto 16x12b. D/A 2x12bOscillator Type-Operating Temperature-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Series	FM4 S6E2H1
Speed160MHzConnectivityCSIO, EBI/EMI, I2C, LIN, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O63Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12b. D/A 2x12bOscillator Type-Operating Temperature-40°C ~ 125°C (TA)Mounting Type80-LQFP (12x12)	Core Processor	ARM? Cortex?-M4F
Connectivity CSIO, EBI/EMI, I2C, LIN, UART/USART   Peripherals DMA, LVD, POR, PWM, WDT   Number of I/O 63   Program Memory Size 544KB (544K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 64K x 8   Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V   Data Converters A/D 16x12b. D/A 2x12b   Oscillator Type Internal   Operating Temperature -40°C ~ 125°C (TA)   Mounting Type S0-LQFP   Supplier Device Package S0-LQFP (12x12)	Core Size	32-Bit
Peripherals DMA, LVD, POR, PWM, WDT   Number of I/O 63   Program Memory Size 544KB (544K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 64K x 8   Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V   Data Converters A/D 16x12b. D/A 2x12b   Oscillator Type -   Operating Temperature -40°C ~ 125°C (TA)   Mounting Type -   Package / Case 80-LQFP (12x12)	Speed	160MHz
Number of I/O 63   Program Memory Size 544KB (544K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 64K x 8   Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V   Data Converters A/D 16x12b. D/A 2x12b   Oscillator Type Internal   Operating Temperature -40°C ~ 125°C (TA)   Mounting Type -   Package / Case 80-LQFP (12x12)	Connectivity	CSIO, EBI/EMI, I2C, LIN, UART/USART
Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12b. D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-LQFP (12x12)	Peripherals	DMA, LVD, POR, PWM, WDT
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Data ConvertersA/D 16x12b. D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	RAM Size	64K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Data Converters	A/D 16x12b. D/A 2x12b
Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Oscillator Type	Internal
Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package80-LQFP (12x12)	Mounting Type	-
	Package / Case	80-LQFP
Report errors?	Supplier Device Package	80-LQFP (12x12)
		Report error

### S6E2H16E0AGV20000 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.

#### S6E2H16E0AGV20000 Payment Methods



If you have any question about S6E2H16E0AGV20000, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com