

# **S6E2HG6G0AGB30000**

### S6E2HG6G0AGB30000 Information

Heisener.com

Part NumberS6E2HG6G0AGB30000ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)

Embedded - Microcontrollers

**Description** MM MCU **Package** 121-TFBGA

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us

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# S6E2HG6G0AGB30000 Specifications

Manufacturer Part NumberS6E2HG6G0AGB30000ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage121-TFBGASeriesFM4 S6E2HGCore ProcessorARM® Cortex®-M4FCore Size32-BitSpeed160MHzConnectivityCANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O100Program Memory Size544KB (544K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)2.7V ~ 5.5VData ConvertersA/D 24x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)			
Category  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  121-TFBGA  Series  FM4 S6E2HG  Core Processor  ARM® Cortex®-M4F  Core Size  32-Bit  Speed  160MHz  Connectivity  CANbus, CSIO, EBI/EMI, I <sup>2</sup> C, LINbus, SD, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  Program Memory Size  544KB (544K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  2.7V ~ 5.5V  Data Converters  A/D 24x12b; D/A 2x12b  Oscillator Type  Internal	Manufacturer Part Number	S6E2HG6G0AGB30000	
Embedded - Microcontrollers  Package 121-TFBGA  Series FM4 S6E2HG  Core Processor ARM® Cortex®-M4F  Core Size 32-Bit  Speed 160MHz  Connectivity CANbus, CSIO, EBI/EMI, PC, LINbus, SD, UART/USART  Peripherals DMA, LVD, POR, PWM, WDT  Number of I/O 100  Program Memory Size 544KB (544K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Manufacturer	Cypress Semiconductor Corp	
Package Series FM4 S6E2HG Core Processor ARM® Cortex®-M4F Core Size 32-Bit Speed 160MHz Connectivity CANbus, CSIO, EBI/EMI, IPC, LINbus, SD, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 100 Program Memory Size 544KB (544K x 8) Program Memory Type FLASH EEPROM Size - RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 24x12b; D/A 2x12b Oscillator Type Internal	Category	Integrated Circuits (ICs)	
Series         FM4 S6E2HG           Core Processor         ARM® Cortex®-M4F           Core Size         32-Bit           Speed         160MHz           Connectivity         CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART           Peripherals         DMA, LVD, POR, PWM, WDT           Number of I/O         100           Program Memory Size         544KB (544K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         64K x 8           Voltage - Supply (Vcc/Vdd)         2.7V ~ 5.5V           Data Converters         A/D 24x12b; D/A 2x12b           Oscillator Type         Internal		Embedded - Microcontrollers	
Core Processor  ARM® Cortex®-M4F  Core Size  32-Bit  Speed  160MHz  Connectivity  CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART  Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  100  Program Memory Size  544KB (544K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 24x12b; D/A 2x12b  Oscillator Type  Internal	Package	121-TFBGA	
Core Size 32-Bit  Speed 160MHz  Connectivity CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART  Peripherals DMA, LVD, POR, PWM, WDT  Number of I/O 100  Program Memory Size 544KB (544K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Series	FM4 S6E2HG	
Speed 160MHz Connectivity CANbus, CSIO, EBI/EMI, IPC, LINbus, SD, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 100 Program Memory Size 544KB (544K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V Data Converters A/D 24x12b; D/A 2x12b Oscillator Type Internal	Core Processor	ARM® Cortex®-M4F	
Connectivity CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART  Peripherals DMA, LVD, POR, PWM, WDT  Number of I/O 100 Program Memory Size 544KB (544K x 8)  Program Memory Type FLASH  EEPROM Size - RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Core Size	32-Bit	
Peripherals  DMA, LVD, POR, PWM, WDT  Number of I/O  100  Program Memory Size  544KB (544K x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  64K x 8  Voltage - Supply (Vcc/Vdd)  2.7V ~ 5.5V  Data Converters  A/D 24x12b; D/A 2x12b  Oscillator Type  Internal	Speed	160MHz	
Number of I/O  Program Memory Size  544KB (544K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  64K x 8  Voltage - Supply (Vcc/Vdd)  2.7V ~ 5.5V  Data Converters  A/D 24x12b; D/A 2x12b  Oscillator Type  Internal	Connectivity	CANbus, CSIO, EBI/EMI, I2C, LINbus, SD, UART/USART	
Program Memory Size 544KB (544K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory Type FLASH  EEPROM Size -  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Number of I/O	100	
EEPROM Size -  RAM Size 64K x 8  Voltage - Supply (Vcc/Vdd) 2.7V ~ 5.5V  Data Converters A/D 24x12b; D/A 2x12b  Oscillator Type Internal	Program Memory Size	544KB (544K x 8)	
RAM Size $64K \times 8$ Voltage - Supply (Vcc/Vdd) $2.7V \sim 5.5V$ Data Converters $A/D 24x12b; D/A 2x12b$ Oscillator Type Internal	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 24x12b; D/A 2x12b  Oscillator Type  Internal	EEPROM Size	-	
Data Converters A/D 24x12b; D/A 2x12b Oscillator Type Internal	RAM Size	64K x 8	
Oscillator Type Internal	Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	
	Data Converters	A/D 24x12b; D/A 2x12b	
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Oscillator Type	Internal	
	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	
Mounting Type Surface Mount	Mounting Type	Surface Mount	
Package / Case 121-TFBGA	Package / Case	121-TFBGA	
Supplier Device Package 121-FBGA (6x6)	Supplier Device Package	121-FBGA (6x6)	
Report errors			Report errors?

#### S6E2HG6G0AGB30000 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.

### S6E2HG6G0AGB30000 Payment Methods



















### S6E2HG6G0AGB30000 Shipping Methods













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