

**S6E2GH6H0AGV2000A Information**


For Reference Only

**Part Number** [S6E2GH6H0AGV2000A](#)  
**Manufacturer** Cypress Semiconductor Corp  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 32BIT 512KB FLASH 144LQFP  
**Package** 144-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**S6E2GH6H0AGV2000A Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">S6E2GH6H0AGV2000A</a>  |
| Manufacturer               | Cypress Semiconductor Corp   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 144-LQFP   |
| Series                     | FM4 S6E2GH   |
| Core Processor             | ARM? Cortex?-M4F   |
| Core Size                  | 32-Bit   |
| Speed                      | 180MHz   |
| Connectivity               | CAN, CSIO, EBI/EMI, I2C, LIN, SD, SmartCard, SPI, UART/USART, USB        |
| Peripherals                | DMA, I2S, LVD, POR, PWM, WDT   |
| Number of I/O              | 121  |
| Program Memory Size        | 512KB (512K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 128K x 8   |
| Voltage - Supply (Vcc/Vdd) | 2.7 V ~ 5.5 V  |
| Data Converters            | A/D 24x12b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 125°C (TA)   |
| Mounting Type              | -  |
| Package / Case             | 144-LQFP   |
| Supplier Device Package    | 144-LQFP (20x20)   |

[Report errors?](#)

## S6E2GH6H0AGV2000A 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.

## S6E2GH6H0AGV2000A Payment Methods



## S6E2GH6H0AGV2000A Shipping Methods



If you have any question about S6E2GH6H0AGV2000A, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)