

S6E2C59H0AGV2000A



Part Number: [S6E2C59H0AGV2000A](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 1.5MB FLASH 144LQFP

Data sheet:  [S6E2C5 Series](#)

RoHs Status: Lead free / RoHS Compliant

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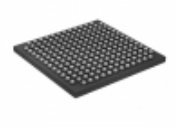
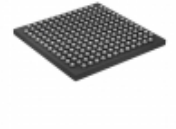
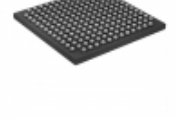
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| PRODUCT PARAMETER               |                                           |                                  |                                                                                                      |
|---------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                     | S6E2C59H0AGV2000A                         | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                |
| Description                     | IC MCU 32BIT 1.5MB FLASH 144LQFP          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                           |
| Quantity Available              | 5350 pcs                                  | Data sheet                       | <a href="#">S6E2C5 Series</a>                                                                        |
| Category                        | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                        |
| Supplier Device Package         | 144-LQFP (20x20)                          | Speed                            | 200MHz                                                                                               |
| Series                          | FM4 S6E2C5                                | RAM Size                         | 192K x 8                                                                                             |
| Program Memory Type             | FLASH                                     | Program Memory Size              | 1.5MB (1.5M x 8)                                                                                     |
| Peripherals                     | DMA, LVD, POR, PWM, WDT                   | Packaging                        | Tray                                                                                                 |
| Package / Case                  | 144-LQFP                                  | Other Names                      | S6E2C59H0AGV20000<br>S6E2C59H0AGV20000-ND                                                            |
| Oscillator Type                 | Internal                                  | Operating Temperature            | -40°C ~ 125°C (TA)                                                                                   |
| Number of I/O                   | 120                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                        |
| Manufacturer Standard Lead Time | 25 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                           |
| EEPROM Size                     | -                                         | Detailed Description             | ARM® Cortex®-M4F FM4 S6E2C5 Microcontroller IC 32-Bit 200MHz 1.5MB (1.5M x 8) FLASH 144-LQFP (20x20) |
| Data Converters                 | A/D 24x12b, D/A 2x12b                     | Core Size                        | 32-Bit                                                                                               |
| Core Processor                  | ARM® Cortex®-M4F                          | Connectivity                     | CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART, USB                                              |

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|  | Part#: <a href="#">S6E2C4AL0AGL2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C58J0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C5AJ0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C59J0AGV2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2CC8J0AGV20000</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S6E2C5AL0AGL2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S6E2C4AH0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C5AJ0AGB1000A</a><br>Description: IC MCU 32BIT 2MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C58H0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S6E2C5AH0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C58L0AGL2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C59J0AGB1000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 192BGA  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2CC8J0AGB1000A</a><br>Description: IC MCU 32BIT 1MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C58J0AGB1000A</a><br>Description: IC MCU 32BIT 1MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C49L0AGL2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 216LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C49J0AGV2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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