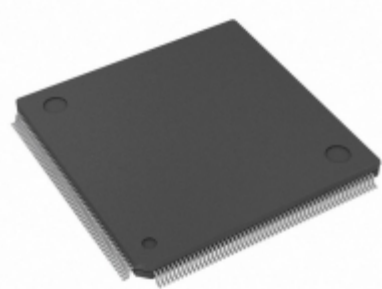


S6E2C29L0AGL2000A





**Part Number:** [S6E2C29L0AGL2000A](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 32BIT 1.5MB FLASH 216LQFP

**Data sheet:**  [S6E2C2 Series](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

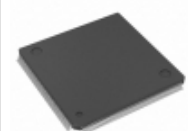
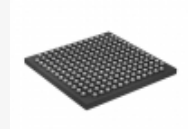
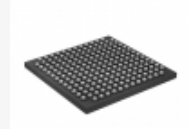
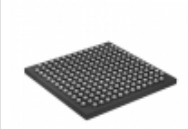
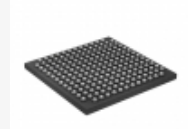
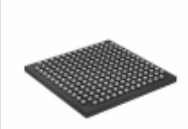
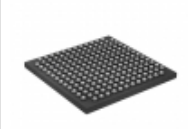
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| PRODUCT PARAMETER               |                                           |                                  |                                                                                              |
|---------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Part Number                     | S6E2C29L0AGL2000A                         | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                        |
| Description                     | IC MCU 32BIT 1.5MB FLASH 216LQFP          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| Quantity Available              | 5479 pcs                                  | Data sheet                       | <a href="#">S6E2C2 Series</a>                                                                |
| Category                        | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                |
| Supplier Device Package         | 216-LQFP                                  | Speed                            | 200MHz                                                                                       |
| Series                          | FM4 S6E2C2                                | RAM Size                         | 192K x 8                                                                                     |
| Program Memory Type             | FLASH                                     | Program Memory Size              | 1.5MB (1.5M x 8)                                                                             |
| Peripherals                     | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT | Packaging                        | Tray                                                                                         |
| Package / Case                  | 216-LQFP                                  | Other Names                      | S6E2C29L0AGL20000<br>S6E2C29L0AGL20000-ND                                                    |
| Oscillator Type                 | Internal                                  | Operating Temperature            | -40°C ~ 125°C (TA)                                                                           |
| Number of I/O                   | 190                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                |
| Manufacturer Standard Lead Time | 15 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                   |
| EEPROM Size                     | -                                         | Detailed Description             | ARM® Cortex®-M4F FM4 S6E2C2 Microcontroller IC 32-Bit 200MHz 1.5MB (1.5M x 8) FLASH 216-LQFP |
| Data Converters                 | A/D 32x12b, D/A 2x12b                     | Core Size                        | 32-Bit                                                                                       |
| Core Processor                  | ARM® Cortex®-M4F                          | Connectivity                     | CSIO, EBI/EMI, Ethernet, I <sup>2</sup> C, LINbus, SD, SPI, UART/USART, USB                  |

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|  | Part#: <a href="#">S6E2C28H0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C1AJ0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C2AL0AGL2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C38L0AGL2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C2AH0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C38J0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C29J0AGV2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C39J0AGB1000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 192BGA  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C28L0AGL2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C2AJ0AGB1000A</a><br>Description: IC MCU 32BIT 2MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C1AJ0AGB1000A</a><br>Description: IC MCU 32BIT 2MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C38H0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C2AJ0AGV2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C38J0AGB1000A</a><br>Description: IC MCU 32BIT 1MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C39H0AGV2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C1AL0AGL2000A</a><br>Description: IC MCU 32BIT 2MB FLASH 216LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C28J0AGB1000A</a><br>Description: IC MCU 32BIT 1MB FLASH 192BGA    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C28J0AGV2000A</a><br>Description: IC MCU 32BIT 1MB FLASH 176LQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C29J0AGB1000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 192BGA  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6E2C29H0AGV2000A</a><br>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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