

CYPRESS  
EMBEDDED IN TOMORROW

Cypress Semiconductor

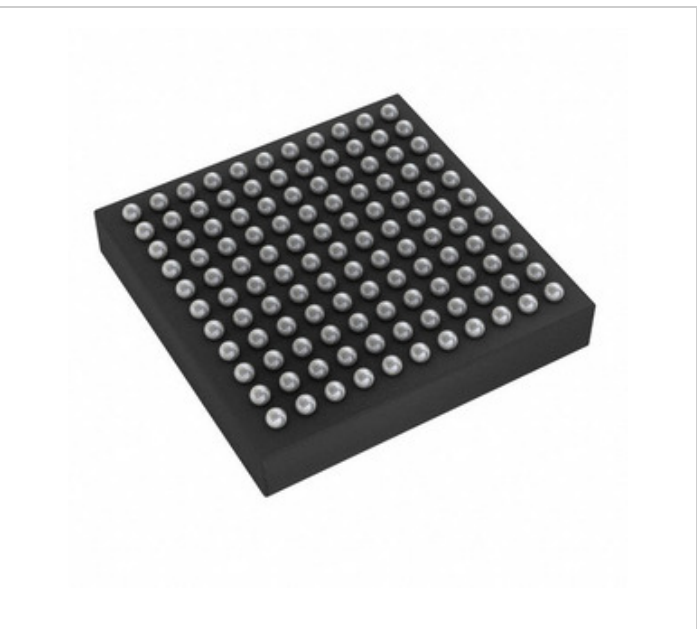


Image may be representation. See specifications for product details.

S6E2H16G0AGB3000A

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | S6E2H16G0AGB3000A                                                                                            |
| Manufacturer/Brand: | Cypress Semiconductor                                                                                        |
| Product description | IC MCU 32BIT 544KB FLASH 121BGA                                                                              |
| Datasheets:         |  S6E2H16G0AGB3000A.pdf      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 13391 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

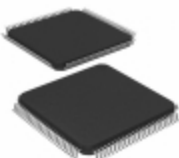
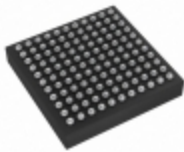
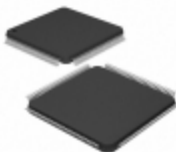
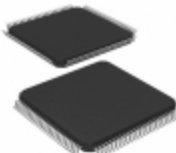
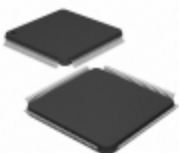
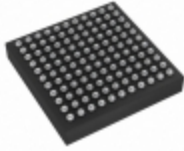
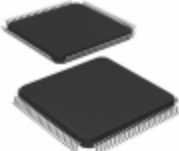
Specifications of S6E2H16G0AGB3000A

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | S6E2H16G0AGB3000A                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 544KB FLASH 121BGA                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| QUANTITY AVAILABLE               | 13391 pcs                                                                                                 |
| DATA SHEET                       |  S6E2H16G0AGB3000A.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 121-FBGA (6x6)                                                                                            |
| SPEED                            | 160MHz                                                                                                    |
| SERIES                           | FM4 S6E2H1                                                                                                |
| RAM SIZE                         | 64K x 8                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                     |
| PROGRAM MEMORY SIZE              | 544KB (544K x 8)                                                                                          |
| PERIPHERALS                      | DMA, LVD, POR, PWM, WDT                                                                                   |
| PACKAGING                        | Tray                                                                                                      |
| PACKAGE / CASE                   | 121-TFBGA                                                                                                 |
| OTHER NAMES                      | 428-3681<br>S6E2H16G0AGB30000<br>S6E2H16G0AGB30000-ND                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                        |
| NUMBER OF I/O                    | 100                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| EEPROM SIZE                      | -                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F FM4 S6E2H1 Microcontroller IC 32-Bit 160MHz 544KB (544K x 8) FLASH 121-FBGA (6x6)        |
| DATA CONVERTERS                  | A/D 24x12b. D/A 2x12b                                                                                     |
| CORE SIZE                        | 32-Bit                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                          |
| CONNECTIVITY                     | CSIO, EBI/EMI, I²C, LINbus, UART/USART                                                                    |

Related Tags

|                                         |                                              |                                             |
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| Cypress Semiconductor S6E2H16G0AGB3000A | S6E2H16G0AGB3000A Distributor                | S6E2H16G0AGB3000A Supplier                  |
| S6E2H16G0AGB3000A Price                 | S6E2H16G0AGB3000A Pictures                   | S6E2H16G0AGB3000A Image                     |
| S6E2H16G0AGB3000A PDF Datasheet         | S6E2H16G0AGB3000A Download Datasheet         | S6E2H16G0AGB3000A Datasheet                 |
| S6E2H16G0AGB3000A Stock                 | Buy S6E2H16G0AGB3000A                        | Buy Cypress Semiconductor S6E2H16G0AGB3000A |
| Cypress Semiconductor S6E2H16G0AGB3000A | Cypress Semiconductor Supplier               | Cypress Semiconductor Distributor           |
| Cypress Semiconductor S6E2H16G0AGB3000A | Cypress Semiconductor Corp S6E2H16G0AGB3000A |                                             |

Related Products

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                              |
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|  CYPRESS<br>EMBEDDED IN TOMORROW<br><b>S6E2H46E0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 544KB FLASH 80LQFP<br>In stock: 9718 pcs<br><b>RFQ</b>  |  <b>S6E2H44F0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br>In stock: 11591 pcs<br><b>RFQ</b>                                   |
|  <b>S6E2H14G0AGB3000A</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 121BGA<br>In stock: 5337 pcs<br><b>RFQ</b>                                     |  CYPRESS<br>EMBEDDED IN TOMORROW<br><b>S6E2H14E0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 80LQFP<br>In stock: 13852 pcs<br><b>RFQ</b> |
|  <b>S6E2H44G0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 120LQFP<br>In stock: 10226 pcs<br><b>RFQ</b>                                   |  <b>S6E2H14G0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 120LQFP<br>In stock: 8970 pcs<br><b>RFQ</b>                                    |
|  CYPRESS<br>EMBEDDED IN TOMORROW<br><b>S6E2H44E0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 80LQFP<br>In stock: 12584 pcs<br><b>RFQ</b> |  CYPRESS<br>EMBEDDED IN TOMORROW<br><b>S6E2H16E0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 544KB FLASH 80LQFP<br>In stock: 10375 pcs<br><b>RFQ</b> |
|  <b>S6E2H14F0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br>In stock: 11252 pcs<br><b>RFQ</b>                                   |  <b>S6E2H16G0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 544KB FLASH 120LQFP<br>In stock: 9042 pcs<br><b>RFQ</b>                                    |
|  <b>S6E2H44G0AGB3000A</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 288KB FLASH 121BGA<br>In stock: 14605 pcs<br><b>RFQ</b>                                    |  <b>S6E2H16F0AGV20000</b><br>Manufacturers: Cypress Semiconductor<br>Description: IC MCU 32BIT 544KB FLASH 100LQFP<br>In stock: 11139 pcs<br><b>RFQ</b>                                   |