



Cypress Semiconductor



S6E2HG6E0AGV20000

Part Number:

S6E2HG6E0AGV20000

Manufacturer/Brand:

Cypress Semiconductor

Product description

IC MCU 32BIT 544KB FLASH 80LQFP

Datasheets:

 S6E2HG6E0AGV20000.pdf

RoHs Status

 Lead free / RoHS Compliant

Stock Condition

9724 pcs stock

Ship From

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

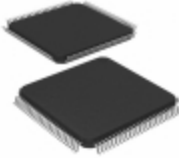
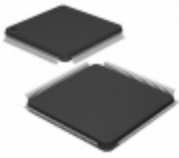
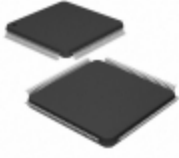
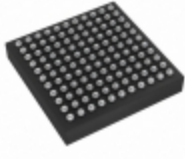
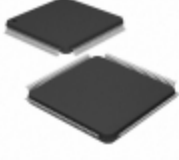
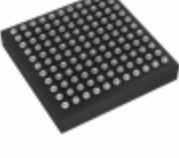
Specifications of S6E2HG6E0AGV20000

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | S6E2HG6E0AGV20000                                                                                         |
| MANUFACTURER                     | Cypress Semiconductor                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 544KB FLASH 80LQFP                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| QUANTITY AVAILABLE               | 9724 pcs                                                                                                  |
| DATA SHEET                       |  S6E2HG6E0AGV20000.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                           |
| SPEED                            | 160MHz                                                                                                    |
| SERIES                           | FM4 S6E2HG                                                                                                |
| 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                   | 80-LQFP                                                                                                   |
| OTHER NAMES                      | 428-3703<br>S6E2HG6E0AGV20000-ND                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                        |
| NUMBER OF I/O                    | 63                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                |
| EEPROM SIZE                      | -                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F FM4 S6E2HG Microcontroller IC 32-Bit 160MHz 544KB (544K x 8) FLASH 80-LQFP (12x12)       |
| DATA CONVERTERS                  | A/D 16x12b. D/A 2x12b                                                                                     |
| CORE SIZE                        | 32-Bit                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                          |
| CONNECTIVITY                     | CANbus, CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART                                                        |

Related Tags

|                                         |                                              |                                             |
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| Cypress Semiconductor S6E2HG6E0AGV20000 | Cypress Semiconductor Corp S6E2HG6E0AGV20000 |                                             |

Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>S6E2HG6F0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 100LQFP<br/>In stock: 9353 pcs<br/>RFQ</div>  |  <div><b>S6E2HG6G0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 120LQFP<br/>In stock: 9496 pcs<br/>RFQ</div> |
|  <div><b>S6E450-AP04-70</b><br/>Manufacturers: ebm-papst Inc.<br/>Description: FAN AXIAL 522X159MM 115VAC WIRE<br/>In stock: 3167 pcs<br/>RFQ</div>             |  <div><b>S6E2HG4E0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 80LQFP<br/>In stock: 12794 pcs<br/>RFQ</div> |
|  <div><b>S6E2HG4G0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 120LQFP<br/>In stock: 10239 pcs<br/>RFQ</div> |  <div><b>S6E2HG4F0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 100LQFP<br/>In stock: 9099 pcs<br/>RFQ</div> |
|  <div><b>S6E2HE6G0AGV2B000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: INTEGRATED CIRCUIT<br/>In stock: 18721 pcs<br/>RFQ</div>               |  <div><b>S6E2HG6G0AGB3000A</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 121BGA<br/>In stock: 12626 pcs<br/>RFQ</div> |
|  <div><b>S6E2HE6G0AGV20000</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 544KB FLASH 120LQFP<br/>In stock: 11311 pcs<br/>RFQ</div> |  <div><b>S6E450-AP02-71</b><br/>Manufacturers: ebm-papst Inc.<br/>Description: FAN AXIAL 522X159MM 230VAC WIRE<br/>In stock: 3018 pcs<br/>RFQ</div>            |
|  <div><b>S6E2HG4G0AGB3000A</b><br/>Manufacturers: Cypress Semiconductor<br/>Description: IC MCU 32BIT 288KB FLASH 121BGA<br/>In stock: 10687 pcs<br/>RFQ</div>  |  <div><b>S6E450-AP02-70</b><br/>Manufacturers: ebm-papst Inc.<br/>Description: FAN AXIAL 522X159MM 230VAC WIRE<br/>In stock: 6262 pcs<br/>RFQ</div>            |