

S6E1B86EHAGF20000



Part Number: [S6E1B86EHAGF20000](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 560KB FLASH 80LQFP

Data sheet:  [S6E1B8 Series Preliminary](#)

RoHs Status: Lead free / RoHS Compliant

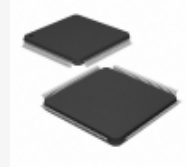
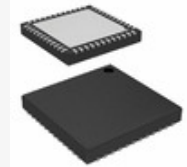
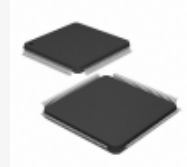
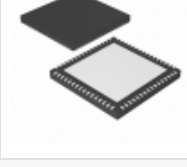
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                              | S6E1B86EHAGF20000                         | Manufacturer                   | <a href="#">Cypress Semiconductor</a>                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 560KB FLASH 80LQFP           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4347 pcs                                  | Data sheet                     | <a href="#">S6E1B8 Series Preliminary</a>                                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.65 V ~ 3.6 V                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-LQFP (12x12)                           | Speed                          | 40MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FM0+ S6E1B8                               | RAM Size                       | 64K x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size            | 560KB (560K x 8)                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I <sup>2</sup> S, LCD, LVD, POR, PWM, WDT | Packaging                      | Tray                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80-LQFP                                   | Oscillator Type                | Internal                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 105°C (TA)                        | Number of I/O                  | 65                                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | ARM® Cortex®-M0+ FM0+ S6E1B8 Microcontroller IC 32-Bit 40MHz 560KB (560K x 8) FLASH 80-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 16x12b                                | Core Size                      | 32-Bit                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M0+                          | Connectivity                   | CSIO, I <sup>2</sup> C, LINbus, SmartCard, UART/USART, USB                                          |
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|  | Part#: <a href="#">S6E1B86FHAGV20000</a><br>Description: IC MCU 32BIT 560KB FLASH 100LQFP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">S6E1C11C0AGN20000</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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Related keywords for **S6E1B86EHAGF20000**

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