

S6E2GM6HHAGV2000A



Part Number: [S6E2GM6HHAGV2000A](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [S6E2G Series](#)

RoHs Status: Lead free / RoHS Compliant

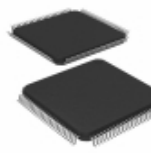
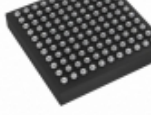
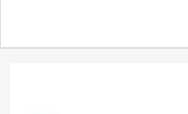
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PRODUCT PARAMETER			
Part Number	S6E2GM6HHAGV2000A	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8590 pcs	Data sheet	S6E2G Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	144-LQFP (20x20)	Speed	180MHz
Series	FM4 S6E2GM	RAM Size	128K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	1274-1195 S6E2GM6HHAGV20000 S6E2GM6HHAGV20000-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	121	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4F FM4 S6E2GM Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 24x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4F
Connectivity	CANbus, CSIO, EBI/EMI, Ethernet, I ² C, LINbus, SD, SmartCard, SPI, UART/USART, USB		
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	Part#: S6E2H14G0AGB3000A Description: IC MCU 32BIT 288KB FLASH 121BGA	Manufacturers: Cypress Semiconductor	RFQ
	Part#: S6E2GM8J0AGV2000A Description: IC MCU 32BIT 1MB FLASH 176LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: S6E2H14G0AGV20000 Description: IC MCU 32BIT 288KB FLASH 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: S6E2GM8H0AGV2000A Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: S6E2GK6HHAGV2000A Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: S6E2GK8HHAGV2000A Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: Cypress Semiconductor	RFQ
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