



Image may be representation.
See specifications for product details.

S6E2H16G0AGB3000A

Part Number: **S6E2H16G0AGB3000A**
 Product Description: IC MCU 32BIT 544KB FLASH 121BGA
 RoHs Status: Lead free / RoHS Compliant
 Datasheets: [S6E2H16G0AGB3000A.pdf](#)

Manufacturer/Brand: Cypress Semiconductor
 Ship From: Hong Kong
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Product details

Part Number	S6E2H16G0AGB3000A	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 544KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
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 S6E2H16G0AGB30000 S6E2H16G0AGB30000-ND	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	100
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	27 Weeks
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, I ² C, LINbus, UART/USART		

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