

S6E2HE6E0AGV20000



Part Number: [S6E2HE6E0AGV20000](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 544KB FLASH 80LQFP

Data sheet:  [S6E2HE Series](#)

RoHs Status: Lead free / RoHS Compliant

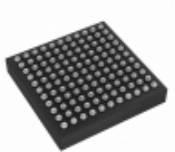
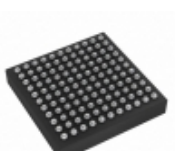
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PRODUCT PARAMETER			
Part Number	S6E2HE6E0AGV20000	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 544KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11203 pcs	Data sheet	S6E2HE Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	80-LQFP (12x12)	Speed	160MHz
Series	FM4 S6E2HE	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	428-3695 S6E2HE6E0AGV20000-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	63	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 S6E2HE 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	CSIO, EBI/EMI, I²C, LINbus, SD, UART/USART
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