

S6E1B84E0AGF20000



Part Number: [S6E1B84E0AGF20000](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 304KB FLASH 80LQFP

Data sheet:  [S6E1B8 Series Preliminary](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	S6E1B84E0AGF20000	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 304KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4628 pcs	Data sheet	S6E1B8 Series Preliminary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V
Supplier Device Package	80-LQFP (12x12)	Speed	40MHz
Series	FM0+ S6E1B8	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	304KB (304K x 8)
Peripherals	I ² 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 304KB (304K x 8) FLASH 80-LQFP (12x12)
Data Converters	A/D 16x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M0+	Connectivity	CSIO, I ² C, LINbus, SmartCard, UART/USART, USB
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