

S6E2DF5G0AGB3000A



Part Number: [S6E2DF5G0AGB3000A](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 384KB FLASH 161BGA

Data sheet:  [S6E2D5 Series Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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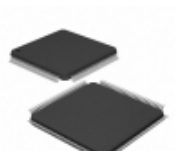
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PRODUCT PARAMETER			
Part Number	S6E2DF5G0AGB3000A	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 384KB FLASH 161BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7873 pcs	Data sheet	S6E2D5 Series Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	161-FBGA (8x8)	Speed	160MHz
Series	FM4 S6E2DF	RAM Size	36K x 8
Program Memory Type	FLASH	Program Memory Size	384KB (384K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	161-TFBGA	Other Names	S6E2DF5G0AGB30000 S6E2DF5G0AGB30000-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	98	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	15 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	ARM® Cortex®-M4F FM4 S6E2DF Microcontroller IC 32-Bit 160MHz 384KB (384K x 8) FLASH 161-FBGA (8x8)
Data Converters	A/D 24x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4F	Connectivity	CSIO, EBI/EMI, I ² C, LINbus, SD, SPI, UART/USART, USB

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