



### **C8051F330P Information**



For Reference Only

**Part Number** C8051F330P **Manufacturer** Silicon Labs

Category Integrated Circuits (ICs)

Embedded - Microcontrollers
IC MCU 8BIT 8KB FLASH 24DIP

**Description** IC MCU 8BIT 8KB FLAS **Package** 24-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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# **C8051F330P Specifications**

Manufacturer         Silicon Labs           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         24-DIP (0.300", 7.62mm)           Series         C8051F33x           Core Processor         8051           Core Size         8-Bit           Speed         25MHz           Connectivity         SMBus (2-Wire/I2C), SPI, UART/USART           Peripherals         POR, PWM, Temp Sensor, WDT           Number of I/O         17           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Specifications	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         24-DIP (0.300", 7.62mm)           Series         C8051F33x           Core Processor         8051           Core Size         8-Bit           Speed         25MHz           Connectivity         SMBus (2-Wire/I2C), SPI, UART/USART           Peripherals         POR, PWM, Temp Sensor, WDT           Number of I/O         17           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Manufacturer Part Number	C8051F330P
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Series       C8051F33x         Core Processor       8051         Core Size       8-Bit         Speed       25MHz         Connectivity       SMBus (2-Wire/I2C), SPI, UART/USART         Peripherals       POR, PWM, Temp Sensor, WDT         Number of I/O       17         Program Memory Size       8KB (8K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       768 x 8         Voltage - Supply (Vcc/Vdd)       2.7 V ~ 3.6 V         Data Converters       A/D 16x10b; D/A 1x10b		Embedded - Microcontrollers
Core Processor       8051         Core Size       8-Bit         Speed       25MHz         Connectivity       SMBus (2-Wire/I2C), SPI, UART/USART         Peripherals       POR, PWM, Temp Sensor, WDT         Number of I/O       17         Program Memory Size       8KB (8K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       768 x 8         Voltage - Supply (Vcc/Vdd)       2.7 V ~ 3.6 V         Data Converters       A/D 16x10b; D/A 1x10b	Package	24-DIP (0.300", 7.62mm)
Core Size         8-Bit           Speed         25MHz           Connectivity         SMBus (2-Wire/I2C), SPI, UART/USART           Peripherals         POR, PWM, Temp Sensor, WDT           Number of I/O         17           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Series	C8051F33x
Speed       25MHz         Connectivity       SMBus (2-Wire/I2C), SPI, UART/USART         Peripherals       POR, PWM, Temp Sensor, WDT         Number of I/O       17         Program Memory Size       8KB (8K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       768 x 8         Voltage - Supply (Vcc/Vdd)       2.7 V ~ 3.6 V         Data Converters       A/D 16x10b; D/A 1x10b	Core Processor	8051
Connectivity  SMBus (2-Wire/I2C), SPI, UART/USART  Peripherals  POR, PWM, Temp Sensor, WDT  Number of I/O  17  Program Memory Size  8KB (8K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  768 x 8  Voltage - Supply (Vcc/Vdd)  2.7 V ~ 3.6 V  Data Converters  A/D 16x10b; D/A 1x10b	Core Size	8-Bit
Peripherals         POR, PWM, Temp Sensor, WDT           Number of I/O         17           Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Speed	25MHz
Number of I/O       17         Program Memory Size       8KB (8K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       768 x 8         Voltage - Supply (Vcc/Vdd)       2.7 V ~ 3.6 V         Data Converters       A/D 16x10b; D/A 1x10b	Connectivity	SMBus (2-Wire/I2C), SPI, UART/USART
Program Memory Size         8KB (8K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Peripherals	POR, PWM, Temp Sensor, WDT
Program Memory Type         FLASH           EEPROM Size         -           RAM Size         768 x 8           Voltage - Supply (Vcc/Vdd)         2.7 V ~ 3.6 V           Data Converters         A/D 16x10b; D/A 1x10b	Number of I/O	17
EEPROM Size       -         RAM Size       768 x 8         Voltage - Supply (Vcc/Vdd)       2.7 V ~ 3.6 V         Data Converters       A/D 16x10b; D/A 1x10b	Program Memory Size	8KB (8K x 8)
RAM Size $768 \times 8$ Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 16x10b; D/A 1x10b$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 2.7 V $\sim$ 3.6 V Data Converters A/D 16x10b; D/A 1x10b	EEPROM Size	
Data Converters A/D 16x10b; D/A 1x10b	RAM Size	768 x 8
·	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Oscillator Type Internal	Data Converters	A/D 16x10b; D/A 1x10b
200000000000000000000000000000000000000	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	
Package / Case 24-DIP (0.300", 7.62mm)	Package / Case	24-DIP (0.300", 7.62mm)
Supplier Device Package 24-DIP	Supplier Device Package	24-DIP
Report errors		Report errors?

#### C8051F330P Guarantees



### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



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If you have any question about C8051F330P, please do not hesitate to contact us!

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