

CY8C3865AXI-204

CY8C3865AXI-204 Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



CY8C3865AXI-204 Specifications

Manufacturer Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microontrollers Package 100-LQFP Series PSOC? 3 CY8C38xx Core Processor 8051 Core Size 8-Bit Speed 67MHz Connectivity EBI/EMI, 12C, LIN, SPI, UART/USART, USB Peripherals CagSense, DMA, LCD, POR, PWM, WDT Number of I/O 62 Program Memory Size 32KB (32K x 8) EEPROM Size IK x 8 RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 5.5 V Data Converters A/D 1x20b, D/A 2x8b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Package / Case 100-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesPSOC? 3 CY8C38xxCore Processor8051Core Size8-BitSpeed67MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM SizeIK x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Manufacturer Part Number	CY8C3865AXI-204	
Embedded - MicrocontrollersPackage100-LQFPSeriesPSOC? 3 CY8C38xxCore Processor8051Core Size8-BitSpeed67MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTOrgram Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator Type-Package / Case100-LQFPSupplier Device Package100-LQFPSupplier Device Package100-LQFP	Manufacturer	Cypress Semiconductor Corp	
Package100-LQFPSeriesPSOC? 3 CY8C38xxCore Processor8051Core Size8-BitSpeed67MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory SizeSIXB (32K x 8)PERPROM SizeIK x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA.D1 1x20b, D/A 2x8bOscillator Type-Package / Case100-LQFPSupplier Device Package100-LQFPSupplier Device Package100-LQFP	Category	Integrated Circuits (ICs)	
SeriesPSOC? 3 CY8C38xxCore Processor8051Core Size8-BitSpeed67MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP (14x14)		Embedded - Microcontrollers	
Core Processor8051Core Size8-BitSpeed67MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator Type-Porgram Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Package	100-LQFP	
Core Size8-BitSpeed67MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Series	PSOC? 3 CY8C38xx	
Speed67MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Core Processor	8051	
Image: Connectivity EBI/EMI, 12C, LIN, SPI, UART/USART, USB Peripherals CapSense, DMA, LCD, POR, PWM, WDT Number of I/O 62 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 5.5 V Data Converters A/D 1x20b, D/A 2x8b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP (14x14)	Core Size	8-Bit	
PeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Speed	67MHz	
Number of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Connectivity	EBI/EMI, I2C, LIN, SPI, UART/USART, USB	
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Peripherals	CapSense, DMA, LCD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Number of I/O	62	
EEPROM SizeIK x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Program Memory Size	32KB (32K x 8)	
RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	EEPROM Size	1K x 8	
Data ConvertersA/D 1x20b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	RAM Size	4K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Data Converters	A/D 1x20b, D/A 2x8b	
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-TQFP (14x14)	Oscillator Type	Internal	
Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package100-TQFP (14x14)	Mounting Type	-	
	Package / Case	100-LQFP	
Report errors?	Supplier Device Package	100-TQFP (14x14)	
		R	eport errors?

CY8C3865AXI-204 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.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

CY8C3865AXI-204 Payment Methods



CY8C3865AXI-204 Shipping Methods



If you have any question about CY8C3865AXI-204, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com