

CY8C3446LTI-083

CY8C3446LTI-083 Information





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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.



CY8C3446LTI-083 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory TypeFLASHEEPROM SizeXx 8RAM SizeSK x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOperating Temperature4.0°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Nutage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Manufacturer Part Number	CY8C3446LTI-083
Embedded - MicrocontrollersPackage48-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Manufacturer	Cypress Semiconductor Corp
PackageHarver MannerPackage48-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConcetivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature440°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Category	Integrated Circuits (ICs)
SeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersAD 1x12b, D/A 2x8bOscillator Type-Program Temperature-40°C ~ 85°C (TA)Mounting Type48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)		Embedded - Microcontrollers
Core Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Porating Temperature-Prokage / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Package	48-VFQFN Exposed Pad
Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Querating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Series	PSOC? 3 CY8C34xx
Speed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Core Processor	8051
Connectivity EBI/EMI, 12C, LIN, SPI, UART/USART Peripherals CapSense, DMA, LCD, POR, PWM, WDT Number of I/O 25 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 5.5 V Data Converters A/D 1x12b, D/A 2x8b Oscillator Type - Package / Case 48-VFQFN Exposed Pad Supplier Device Package 48-QFN (7x7)	Core Size	8-Bit
PeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Speed	50MHz
Number of I/O25Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Connectivity	EBI/EMI, I2C, LIN, SPI, UART/USART
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Peripherals	CapSense, DMA, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Number of I/O	25
EEPROM Size2K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Program Memory Size	64KB (64K x 8)
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	EEPROM Size	2K x 8
Data ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	RAM Size	8K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Data Converters	A/D 1x12b, D/A 2x8b
Mounting Type-Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Oscillator Type	Internal
Package / Case48-VFQFN Exposed PadSupplier Device Package48-QFN (7x7)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package48-QFN (7x7)	Mounting Type	-
	Package / Case	48-VFQFN Exposed Pad
Report errors?	Supplier Device Package	48-QFN (7x7)
		Report errors ⁶

CY8C3446LTI-083 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 EUARANTEE

Service Guarantees

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

CY8C3446LTI-083 Payment Methods



CY8C3446LTI-083 Shipping Methods



If you have any question about CY8C3446LTI-083, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com