

# CY8C3246LTI-149T

### CY8C3246LTI-149T 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.



## CY8C3246LTI-149T Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage68-VFQFN Exposed PadSeriesPSOC? 3 CY8C32xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size64KB (64K x 8)PEPROM SizeZx x 8RAM SizeSK x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 1x8bOscillator TypeInternalOperating Temperature440° ~ 85°C (TA)Package / Case68-VFQFN Exposed Pad		
Artispical Circuits (ICs)       Integrated Circuits (ICs)       Embedded - Microcontrollers       Package     68-VFQFN Exposed Pad       Series     PSOC? 3 CY8C32xx       Core Processor     8051       Core Size     8-Bit       Speed     50MHz       Connectivity     EBI/EMI, 12C, LIN, SPI, UART/USART       Peripherals     CapSense, DMA, LCD, POR, PWM, WDT       Number of I/O     38       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 1x8b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     68-VFQFN Exposed Pad       Supplier Device Package     68-QFN (8x8)	Manufacturer Part Number	CY8C3246LTI-149T
Embedded - MicrocontrollersPackage68-VFQFN Exposed PadSeriesPSOC? 3 CY8C32xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program 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 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Manufacturer	Cypress Semiconductor Corp
Package     68-VFQFN Exposed Pad       Series     PSOC? 3 CY8C32xx       Core Processor     8051       Core Size     8-Bit       Speed     50MHz       Connectivity     EBI/EMI, 12C, LIN, SPI, UART/USART       Peripherals     CapSense, DMA, LCD, POR, PWM, WDT       Number of I/O     38       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 1x8b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     68-VFQFN Exposed Pad       Supplier Device Package     68-QFN (8x8)	Category	Integrated Circuits (ICs)
SeriesPSOC' 3 CY8C32xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program 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 1x8bOscillator Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)		Embedded - Microcontrollers
Core Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program 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 1x8bOscillator Type-Program Temperature-Program Generature68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Package	68-VFQFN Exposed Pad
Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program 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 1x8bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Series	PSOC? 3 CY8C32xx
Speed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program 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 1x8bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Core Processor	8051
Connectivity     EBI/EMI, I2C, LIN, SPI, UART/USART       Peripherals     CapSense, DMA, LCD, POR, PWM, WDT       Number of I/O     38       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 1x8b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     68-VFQFN Exposed Pad       Supplier Device Package     68-QFN (8x8)	Core Size	8-Bit
Peripherals     CapSense, DMA, LCD, POR, PWM, WDT       Number of I/O     38       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 1x8b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     68-VFQFN Exposed Pad       Supplier Device Package     68-QFN (8x8)	Speed	50MHz
Number of I/O38Program 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 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	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 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Peripherals	CapSense, DMA, LCD, POR, PWM, WDT
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Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	EEPROM Size	2K x 8
Data ConvertersA/D 1x12b, D/A 1x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	RAM Size	8K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Data Converters	A/D 1x12b, D/A 1x8b
Mounting Type -   Package / Case 68-VFQFN Exposed Pad   Supplier Device Package 68-QFN (8x8)	Oscillator Type	Internal
Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 68-QFN (8x8)	Mounting Type	-
	Package / Case	68-VFQFN Exposed Pad
Report errors?	Supplier Device Package	68-QFN (8x8)
		Report errors?

#### CY8C3246LTI-149T 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.

DISCOVER

#### CY8C3246LTI-149T Payment Methods



## CY8C3246LTI-149T Shipping Methods



If you have any question about CY8C3246LTI-149T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com