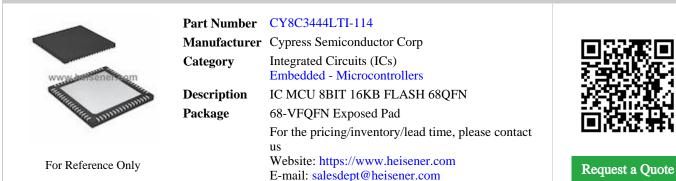


CY8C3444LTI-114

CY8C3444LTI-114 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.



CY8C3444LTI-114 Specifications

Manufacturer Part NumberCY8C3444LT-114ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)PackageEmbedded - MicrocontrollersPackage68-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core SizeSofHzSpeedSOMHzConcetivityEB/EMI, I2C, LIN, SPI, UART/USART, USBPornectivitySaProgram Memory SizeI6KB (16K x 8)Program Memory TypeFLASHEEPPOM SizeS12 x 8Voltage - Supply (Vcc/Vdd)I/1 V ~ 5.5 VData ConvertersA/D 112b, D/A 2x8bNounting Type-Apertage Temperature40°C ~ 85°C (TA)Mounting Type68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage68-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-VFQFN Exposed Pad	Manufacturer Part Number	CY8C3444LTI-114
Imbedded - MicrocontrollersPackage68-VFQFN Exposed PadSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConcetivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Pergoram Memory TypeFLASHEEPROM Size312 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-VFQFN Exposed Pad	Manufacturer	Cypress Semiconductor Corp
Package68-VFQFN Exposed PadSeriesFSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)FPROM Size512 x 8Voltage - Supply (Vcc/Vdd)7.11 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOperating Temperature40°C ~ 85°C (TA)Mounting Type68-VFQFN Exposed PadSupplier Device Package68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Category	Integrated Circuits (ICs)
SeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory SizeI6KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Prograin Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)		Embedded - Microcontrollers
Core Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Package	68-VFQFN Exposed Pad
Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Series	PSOC? 3 CY8C34xx
Speed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-Mounting Type68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Core Processor	8051
ConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Core Size	8-Bit
PeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Operating Temperature-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Speed	50MHz
Number of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8RAM 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 Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Connectivity	EBI/EMI, I2C, LIN, SPI, UART/USART, USB
Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size512 x 8RAM 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 Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Peripherals	CapSense, DMA, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size512 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Number of I/O	38
EEPROM Size512 x 8RAM 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 Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	Program Memory Size	16KB (16K x 8)
RAM Size2K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	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 / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	EEPROM Size	512 x 8
Data ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-QFN (8x8)	RAM Size	2K 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 2x8b
Mounting Type-Package / Case68-VFQFN Exposed PadSupplier Device Package68-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
	Supplier Device Package	68-QFN (8x8)
Report errors		Report errors?

CY8C3444LTI-114 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.

CY8C3444LTI-114 Payment Methods



CY8C3444LTI-114 Shipping Methods



If you have any question about CY8C3444LTI-114, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com