

CY8C6116BZI-F54

a Quote

CY8C6116BZI-F54 Information

	Part Number	CY8C6116BZI-F54	
	Manufacturer	Cypress Semiconductor Corp	E Later
young this end to om	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	Description	IC DUAL CORE MCU 32B 512K 124BGA	- 353
and the second	Package	124-VFBGA	
		For the pricing/inventory/lead time, please contact us	(21/67)
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request

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.



CY8C6116BZI-F54 Specifications

Manufacturer Cypress Semiconductor Corp Manufacturer Cypress Semiconductor Corp Embedded - Microcontrollers Embedded - Microcontrollers Package 124-VFBGA Series PsoC® 6 Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 500Hz Connectivity PC, LINbus, QSPI, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDT Number of I/O 104 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.7V ~ 3.6V Data Converters A/D 8x12b SAR; D/A 1x12b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 124-VFBGA			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage124-VFBGASeriesPSoC® 6Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed50MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Manufacturer Part Number	CY8C6116BZI-F54	
Embedded - MicrocontrollersPackage124-VFBGASeriesPSoC® 6Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed50MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Nutlage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-WFBGASupplier Device Package124-BGA (9x9)	Manufacturer	Cypress Semiconductor Corp	
Package124-VFBGASeriesPSoC® 6Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed50MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)PERPOM Size22K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature4.0°C ~ 85°C (TA)Mounting Type124-VFBGASupplier Device Package124-VFBGASupplier Device Package124-BGA (9x9)	Category	Integrated Circuits (ICs)	
SeriesPSoC® 6Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed50MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Nuber of J/O1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type124-PFBGASupplier Device Package124-BGA (9x9)		Embedded - Microcontrollers	
Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed50MHzConnectivityFC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersAD 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type124-VFBGASupplier Device Package124-BGA (9x9)	Package	124-VFBGA	
Core Size32-BitSpeed50MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-BGA (9x9)	Series	PSoC® 6	
Speed50MHzConnectivityFC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, IPS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersAD 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type124-VFBGASupplier Device Package124-BGA (9x9)	Core Processor	ARM® Cortex®-M4	
PrintPriceConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-BGA (9x9)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDTNumber of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Speed	50MHz	
Number of I/O104Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Connectivity	I ² C, LINbus, QSPI, SPI, UART/USART, USB	
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Number of I/O	104	
EEPROM Size32K x 8RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Program Memory Size	512KB (512K x 8)	
RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.7V ~ 3.6VData ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	EEPROM Size	32K x 8	
Data ConvertersA/D 8x12b SAR; D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	RAM Size	128K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Data Converters	A/D 8x12b SAR; D/A 1x12b	
Mounting TypeSurface MountPackage / Case124-VFBGASupplier Device Package124-BGA (9x9)	Oscillator Type	Internal	
Package / Case124-VFBGASupplier Device Package124-BGA (9x9)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package124-BGA (9x9)	Mounting Type	Surface Mount	
	Package / Case	124-VFBGA	
Report errors?	Supplier Device Package	124-BGA (9x9)	
			Report errors?

CY8C6116BZI-F54 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.

CY8C6116BZI-F54 Payment Methods





If you have any question about CY8C6116BZI-F54, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com