

CY8C4045FNI-DS400T

CY8C4045FNI-DS400T Information

	 CY8C4045FNI-DS400T Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers MICROCONTROLLER ARM CORTEX 25-UFBGA, WLCSP For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

Certified Quality

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CY8C4045FNI-DS400T Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage25-UFBGA, WLCSPSeriesPSOC® 4 CY8C42xx-DSCore ProcessorARM® Cortex®-M0Core Srize32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTNumber of I/O21Program Memory Size3CB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeHermalOperating Temperature-Mounting TypeSufface MountPackage / CaseSufface MultersPackage / CaseSufface Mult			
ArrowsIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage25-UFBGA, WLCSPSeriesPSOC® 4 CY8C42xx-DSCore ProcessorARM® Cortex®-M0Core Size32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Manufacturer Part Number	CY8C4045FNI-DS400T	
Embedded - MicrocontrollersPackage25-UFBGA, WLCSPSeriesPSOC® 4 CY8C42xx-DSCore ProcessorARM® Cortex®-M0Core Size32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-ULFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Manufacturer	Cypress Semiconductor Corp	
Package 25-UFBGA, WLCSP Series PSOC® 4 CY8C42xx-DS Core Processor ARM® Cortex®-M0 Core Size 32-Bit Speed 48MHz Connectivity PC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART Peripherals Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT Number of I/O 21 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 1.7V ~ 5.5V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 25-UFBGA, WLCSP Supplier Device Package 25-WLCSP (2.07×2.11)	Category	Integrated Circuits (ICs)	
SeriesPSOC® 4 CY8C42xx-DSCore ProcessorARM® Cortex®-M0Core Size32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-ULFBGA, WLCSP (2.07×2.11)		Embedded - Microcontrollers	
Core ProcessorARM@ Cortex@-M0Core Size32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-Nuther Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPrakage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Package	25-UFBGA, WLCSP	
Core Size32-BitSpeed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Series	PSOC® 4 CY8C42xx-DS	
Speed48MHzConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Core Processor	ARM® Cortex®-M0	
ConnectivityPC, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Speed	48MHz	
Number of I/O21Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Connectivity	I ² C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART	
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Peripherals	Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Number of I/O	21	
EEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Program Memory Size	32KB (32K x 8)	
RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Program Memory Type	FLASH	
NoteVoltage - Supply (Vcc/Vdd)1.7V ~ 5.5VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	EEPROM Size	-	
Data Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	RAM Size	4K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Voltage - Supply (Vcc/Vdd)	1.7V ~ 5.5V	
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Data Converters	-	
Mounting TypeSurface MountPackage / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Oscillator Type	Internal	
Package / Case25-UFBGA, WLCSPSupplier Device Package25-WLCSP (2.07×2.11)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package25-WLCSP (2.07×2.11)	Mounting Type	Surface Mount	
	Package / Case	25-UFBGA, WLCSP	
Report errors?	Supplier Device Package	25-WLCSP (2.07×2.11)	
			Report errors?

CY8C4045FNI-DS400T 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.

CY8C4045FNI-DS400T Payment Methods





If you have any question about CY8C4045FNI-DS400T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com