

CY8C6347FMI-BLD53T

CY8C6347FMI-BLD53T 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.



CY8C6347FMI-BLD53T Specifications

Manufacturer Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers Package 104-UFBGA, WLCSP Series PSoC® 6 BLE Core Processor ARM® Cortex®-M4/M0 Core Size 32-Bit Dual-Core Speed 100MHz, 150MHz Connectivity PC, LINbus, QSPI, SPI, UART/USART, USB Peripherals Bluetooth, Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDT Program Memory Size IMB (IM x 8) Program Memory Type FLASH EEPROM Size 32K x 8 RAM Size 288K x 8 Voltage - Supply (Vcc/Vdd) 1.7 V ~ 3.6 V Data Converters AD 8x12b SAR, D/A 1x12b Detaing Temperature -40°C ~ 85°C (TA) Mounting Type -		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage104-UFBGA, WLCSPSeriesPSoC® 6 BLECore ProcessorARM® Cortex®-M4/M0Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O70Program Memory Size1MB (1M x 8)PERPROM Size32K x 8RAM Size28K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Manufacturer Part Number	CY8C6347FMI-BLD53T
Embedded - MicrocontrollersPackage104-UFBGA, WLCSPSeriesPSoC® 6 BLECore ProcessorARM® Cortex®-M4/M0Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, IPS, POR, PWM, WDTNumber of I/O70Program Memory Size1MB (1M x 8)PEPROM Size32K x 8RAM Size28K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Manufacturer	Cypress Semiconductor Corp
PackageIndettributionPackage104-UFBGA, WLCSPSeriesPsoC® 6 BLECore ProcessorARM® Cortex®-M4/M0Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDTNumber of I/O70Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vd)1.7 V ~ 3.6 VData ConvertersAvD 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Category	Integrated Circuits (ICs)
SeriesPSoC® 6 BLECore ProcessorARM® Cortex®-M4/M0Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O70Program Memory SizeIMB (1M x 8)EEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-		Embedded - Microcontrollers
Core ProcessorARM® Cortex®-M4/M0Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O70Program Memory SizeIMB (1M x 8)EEPROM Size32K x 8RAM Size28K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersAD 8x12b SAR, D/A 1x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Package	104-UFBGA, WLCSP
Core Size32-Bit Dual-CoreSpeed100MHz, 150MHzConnectivityFC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, I'S, POR, PWM, WDTNumber of I/O70Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Series	PSoC® 6 BLE
Speed100MHz, 150MHzConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDTNumber of I/O70Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Core Processor	ARM® Cortex®-M4/M0
ConnectivityPC, LINbus, QSPI, SPI, UART/USART, USBPeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, PS, POR, PWM, WDTNumber of I/O70Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Core Size	32-Bit Dual-Core
PeripheralsBluetooth, Brown-out Detect/Reset, Cap Sense, DMA, I'S, POR, PWM, WDTNumber of I/O70Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8288K x 8288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Speed	100MHz, 150MHz
Number of I/O70Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	Connectivity	I ² C, LINbus, QSPI, SPI, UART/USART, USB
Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Peripherals	Bluetooth, Brown-out Detect/Reset, Cap Sense, DMA, I2S, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Number of I/O	70
EEPROM Size32K x 8RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Program Memory Size	1MB (1M x 8)
RAM Size288K x 8Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.7 V ~ 3.6 VData ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	EEPROM Size	32K x 8
Data ConvertersA/D 8x12b SAR, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	RAM Size	288K x 8
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-	Voltage - Supply (Vcc/Vdd)	1.7 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-	Data Converters	A/D 8x12b SAR, D/A 1x12b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 104-UFBGA, WLCSP	Mounting Type	-
	Package / Case	104-UFBGA, WLCSP
Supplier Device Package104-WLCSP (3.8x5)	Supplier Device Package	104-WLCSP (3.8x5)
Report errors?		Report errors?

CY8C6347FMI-BLD53T 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.

DISCOVER

CY8C6347FMI-BLD53T Payment Methods



CY8C6347FMI-BLD53T Shipping Methods



If you have any question about CY8C6347FMI-BLD53T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com