

MB96F645ABPMC-GSE1

MB96F645ABPMC-GSE1 Information



For Reference Only

Part Number MB96F645ABPMC-GSE1

Manufacturer Cypress Semiconductor Corp

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 16BIT 160KB FLASH 100LQFP

Package 100-LQFF

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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MB96F645ABPMC-GSE1 Specifications

Manufacturer Part Number MB96F645ABPMC-GSE1 Manufacturer Cypress Semiconductor Corp Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-LQFP Scries F²MC-16FX MB96640 Core Processor F²MC-16FX Core Size 16-Bit Speed 32MHz Connectivity PC, LINbus, SCI, UART/USART Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 81 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	*	
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Speed32MHzConnectivityP°C, LINbus, SCI, UART/USARTPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O81Program Memory Size160KB (160K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Core Processor	F ² MC-16FX
Connectivity Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 81 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x8/10b Oscillator Type Internal Operating Temperature Ao°C ~ 125°C (TA) Mounting Type Supplier Device Package 100-LQFP (14x14)	Core Size	16-Bit
Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 81 Program Memory Size 160KB (160K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 24x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package	Speed	32MHz
Number of I/O81Program Memory Size160KB (160K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Connectivity	I ² C, LINbus, SCI, UART/USART
Program Memory Size Program Memory Type FLASH EEPROM Size RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 24x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Peripherals	DMA, LVD, POR, PWM, WDT
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Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 24x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	-
Data Converters A/D 24x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	RAM Size	16K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Data Converters	A/D 24x8/10b
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Oscillator Type	Internal
Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 100-LQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
	Supplier Device Package	100-LQFP (14x14)
Report errors?		Report errors?

MB96F645ABPMC-GSE1 Guarantees



Ouality 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.

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MB96F645ABPMC-GSE1 Payment Methods





















MB96F645ABPMC-GSE1 Shipping Methods













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