



### MB90F867APF-G Information



For Reference Only

Part Number MB90F867APF-G

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - Microcontrollers

**Description** IC MCU 16BIT 128KB FLASH 100QFP

Package 100-BQFP

For the pricing/inventory/lead time, please contact

us

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



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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.









## **MB90F867APF-G Specifications**

Manufacturer         Cypress Semiconductor Corp           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-BQFP           Series         F2MC-16LX MB90860A           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         EBI/EMI, 12C, LIN, SCI, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         80           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 24x8/10b           Oscillator Type         External           Operating Temperature         40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-BQFP		
Integrated Circuits (ICs)	Manufacturer Part Number	MB90F867APF-G
Embedded - Microcontrollers           Package         100-BQFP           Series         F2MC-16LX MB90860A           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         EBI/EMI, 12C, LIN, SCI, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         80           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 24x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         100-BQFP           Supplier Device Package         100-QFP (14x20)	Manufacturer	Cypress Semiconductor Corp
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Connectivity  EBI/EMI, I2C, LIN, SCI, UART/USART  Peripherals  DMA, POR, WDT  Number of I/O  80  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  6K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 24x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Package / Case  100-BQFP  Supplier Device Package	Core Size	16-Bit
Peripherals  Number of I/O  80  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  6K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 24x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  100-BQFP  Supplier Device Package  100-QFP (14x20)	Speed	24MHz
Number of I/O  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  6K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 24x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  Supplier Device Package  100-BQFP (14x20)	Connectivity	EBI/EMI, I2C, LIN, SCI, UART/USART
Program Memory Size Program Memory Type FLASH  EEPROM Size RAM Size 6K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 24x8/10b  Oscillator Type External Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 100-BQFP Supplier Device Package 100-QFP (14x20)	Peripherals	DMA, POR, WDT
Program Memory Type FLASH  EEPROM Size -  RAM Size 6K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 24x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Number of I/O	80
EEPROM Size  RAM Size  6K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 24x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  100-BQFP  Supplier Device Package  100-QFP (14x20)	Program Memory Size	128KB (128K x 8)
RAM Size 6K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 24x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 24x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  100-BQFP  Supplier Device Package  100-QFP (14x20)	EEPROM Size	-
Data ConvertersA/D $24x8/10b$ Oscillator TypeExternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $100\text{-BQFP}$ Supplier Device Package $100\text{-QFP}$ ( $14x20$ )	RAM Size	6K x 8
Oscillator Type External  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Voltage - Supply (Vcc/Vdd)	3.5 V ~ 5.5 V
Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Data Converters	A/D 24x8/10b
Mounting Type - Package / Case 100-BQFP Supplier Device Package 100-QFP (14x20)	Oscillator Type	External
Package / Case 100-BQFP Supplier Device Package 100-QFP (14x20)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 100-QFP (14x20)	Mounting Type	-
	Package / Case	100-BQFP
Report errors?	Supplier Device Package	100-QFP (14x20)
		Report erro

#### MB90F867APF-G 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.

# MB90F867APF-G Payment Methods





















## MB90F867APF-G Shipping Methods













If you have any question about MB90F867APF-G, please do not hesitate to contact us!

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