

# MB90947APFR-GS-102E1

#### MB90947APFR-GS-102E1 Information



For Reference Only

Part Number MB90947APFR-GS-102E1

Manufacturer Cypress Semiconductor Corp

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 16BIT 128KB MROM 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.









## MB90947APFR-GS-102E1 Specifications

Manufacturer         Cypress Semiconductor Corp           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         100-BQFP           Series         F2MC-16LX MB90945           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, 12C, LIN, SCI, Serial I/O, UART/USART           Peripherals         POR, PWM, WDT           Number of I/O         82           Program Memory Size         128KB (128K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         100-BQFP		
Integrated Circuits (ICs)	Manufacturer Part Number	MB90947APFR-GS-102E1
Embedded - Microcontrollers	Manufacturer	Cypress Semiconductor Corp
Package         100-BQFP           Series         F2MC-16LX MB90945           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, 12C, LIN, SCI, Serial I/O, UART/USART           Peripherals         POR, PWM, WDT           Number of I/O         82           Program Memory Size         128KB (128K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         100-BQFP           Supplier Device Package         100-QFP (14x20)	Category	Integrated Circuits (ICs)
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Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, I2C, LIN, SCI, Serial I/O, UART/USART           Peripherals         POR, PWM, WDT           Number of I/O         82           Program Memory Size         128KB (128K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         100-BQFP           Supplier Device Package         100-QFP (14x20)	Package	100-BQFP
Core Size       16-Bit         Speed       24MHz         Connectivity       CAN, I2C, LIN, SCI, Serial I/O, UART/USART         Peripherals       POR, PWM, WDT         Number of I/O       82         Program Memory Size       128KB (128K x 8)         Program Memory Type       Mask ROM         EEPROM Size       -         RAM Size       6K x 8         Voltage - Supply (Vcc/Vdd)       3.5 V ~ 5.5 V         Data Converters       A/D 15x8/10b         Oscillator Type       External         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       -         Package / Case       100-BQFP         Supplier Device Package       100-QFP (14x20)	Series	F2MC-16LX MB90945
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Connectivity CAN, I2C, LIN, SCI, Serial I/O, UART/USART Peripherals POR, PWM, WDT Number of I/O 82 Program Memory Size 128KB (128K x 8) Program Memory Type Mask ROM EEPROM Size - RAM Size 6K x 8 Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V Data Converters A/D 15x8/10b Oscillator Type External Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 100-BQFP Supplier Device Package 100-QFP (14x20)	Core Size	16-Bit
Peripherals         POR, PWM, WDT           Number of I/O         82           Program Memory Size         128KB (128K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         6K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         -           Package / Case         100-BQFP           Supplier Device Package         100-QFP (14x20)	Speed	24MHz
Number of I/O       82         Program Memory Size       128KB (128K x 8)         Program Memory Type       Mask ROM         EEPROM Size       -         RAM Size       6K x 8         Voltage - Supply (Vcc/Vdd)       3.5 V ~ 5.5 V         Data Converters       A/D 15x8/10b         Oscillator Type       External         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       -         Package / Case       100-BQFP         Supplier Device Package       100-QFP (14x20)	Connectivity	CAN, I2C, LIN, SCI, Serial I/O, UART/USART
Program Memory Size Program Memory Type Mask ROM  EEPROM Size RAM Size 6K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 15x8/10b  Oscillator Type External Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 100-BQFP Supplier Device Package 100-QFP (14x20)	Peripherals	POR, PWM, WDT
Program Memory Type  EEPROM Size  RAM Size  Coltage - Supply (Vcc/Vdd)  Data Converters  A/D 15x8/10b  Oscillator Type  External  Operating Temperature  A0°C ~ 85°C (TA)  Mounting Type  Package / Case  Supplier Device Package  Mask ROM  Akage / M	Number of I/O	82
EEPROM Size - GK x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 15x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 85°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 15x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type -  Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Program Memory Type	Mask ROM
Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 15x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  100-BQFP  Supplier Device Package  100-QFP (14x20)	EEPROM Size	-
Data Converters  A/D 15x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  - Package / Case  100-BQFP  Supplier Device Package  100-QFP (14x20)	RAM Size	6K x 8
Oscillator Type External  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Mounting Type -  Package / Case $100\text{-BQFP}$ Supplier Device Package $100\text{-QFP}$ (14x20)	Voltage - Supply (Vcc/Vdd)	3.5 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA)  Mounting Type - Package / Case 100-BQFP  Supplier Device Package 100-QFP (14x20)	Data Converters	A/D 15x8/10b
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	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 100-QFP (14x20)	Mounting Type	-
	Package / Case	100-BQFP
Report errors?	Supplier Device Package	100-QFP (14x20)
		Report error

### MB90947APFR-GS-102E1 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.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### MB90947APFR-GS-102E1 Payment Methods





















## MB90947APFR-GS-102E1 Shipping Methods













If you have any question about MB90947APFR-GS-102E1, please do not hesitate to contact us!

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