

## MB90F352SPMCR-GS-SPE1

### MB90F352SPMCR-GS-SPE1 Information



For Reference Only

Part Number MB90F352SPMCR-GS-SPE1
Manufacturer Cypress Semiconductor Corp
Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 16BIT 128KB FLASH 64LQFP

Package 64-LQFP

For the pricing/inventory/lead time, please contact

us

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



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# MB90F352SPMCR-GS-SPE1 Specifications

Manufacturer Part Number         MB90F352SPMCR-GS-SPE1           Manufacturer         Cypress Semiconductor Corp           Category         Integrated Circuits (ICs)           Brokage         64-LQFP           Series         FPMC-16LX MB90350           Core Processor         FPMC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, IPC, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	•		
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         64-LQFP           Scries         F²MC-16LX MB90350           Core Processor         F²MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, PC, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	Manufacturer Part Number	MB90F352SPMCR-GS-SPE1	
Package         64-LQFP           Series         F²MC-16LX MB90350           Core Processor         F²MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, I²C, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (12x12)	Manufacturer	Cypress Semiconductor Corp	
Package         64-LQFP           Series         F2MC-16LX MB90350           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, I²C, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP	Category	Integrated Circuits (ICs)	
Series         F²MC-16LX MB90350           Core Processor         F²MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, I²C, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (12x12)		Embedded - Microcontrollers	
Core Processor         F²MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, I²C, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (12x12)	Package	64-LQFP	
Core Size         16-Bit           Speed         24MHz           Connectivity         CANbus, EBI/EMI, PC, LINbus, UART/USART           Peripherals         DMA, LVD, POR, WDT           Number of I/O         51           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         4K x 8           Voltage - Supply (Vcc/Vdd)         3.5 V ~ 5.5 V           Data Converters         A/D 15x8/10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         64-LQFP           Supplier Device Package         64-LQFP (12x12)	Series	F <sup>2</sup> MC-16LX MB90350	
Speed24MHzConnectivityCANbus, EBI/EMI, IPC, LINbus, UART/USARTPeripheralsDMA, LVD, POR, WDTNumber of I/O51Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)3.5 V ~ 5.5 VData ConvertersA/D 15x8/10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (12x12)	Core Processor	F <sup>2</sup> MC-16LX	
Connectivity CANbus, EBI/EMI, IPC, LINbus, UART/USART Peripherals DMA, LVD, POR, WDT Number of I/O 51 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V Data Converters A/D 15x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 64-LQFP Supplier Device Package 64-LQFP (12x12)	Core Size	16-Bit	
Peripherals  DMA, LVD, POR, WDT  Number of I/O  51  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  4K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 15x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Package / Case  Supplier Device Package  64-LQFP (12x12)	Speed	24MHz	
Number of I/O Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V Data Converters A/D 15x8/10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 64-LQFP (12x12)	Connectivity	CANbus, EBI/EMI, I2C, LINbus, UART/USART	
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  4K x 8  Voltage - Supply (Vcc/Vdd)  3.5 V ~ 5.5 V  Data Converters  A/D 15x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  64-LQFP  Supplier Device Package  64-LQFP (12x12)	Peripherals	DMA, LVD, POR, WDT	
Program Memory Type FLASH  EEPROM Size -  RAM Size 4K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 15x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (12x12)	Number of I/O	51	
EEPROM Size - 4K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 15x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 64-LQFP  Supplier Device Package 64-LQFP (12x12)	Program Memory Size	128KB (128K x 8)	
RAM Size 4K x 8  Voltage - Supply (Vcc/Vdd) 3.5 V ~ 5.5 V  Data Converters A/D 15x8/10b  Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (12x12)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) $3.5 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $15x8/10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $64\text{-LQFP}$ Supplier Device Package $64\text{-LQFP}$ ( $12x12$ )	EEPROM Size	-	
Data Converters  A/D 15x8/10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  64-LQFP  Supplier Device Package  64-LQFP (12x12)	RAM Size	4K x 8	
Oscillator Type Internal  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type -  Package / Case 64-LQFP  Supplier Device Package 64-LQFP (12x12)	Voltage - Supply (Vcc/Vdd)	3.5 V ~ 5.5 V	
Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 64-LQFP  Supplier Device Package 64-LQFP (12x12)	Data Converters	A/D 15x8/10b	
Mounting Type - Package / Case 64-LQFP Supplier Device Package 64-LQFP (12x12)	Oscillator Type	Internal	
Package / Case 64-LQFP Supplier Device Package 64-LQFP (12x12)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package 64-LQFP (12x12)	Mounting Type	-	
	Package / Case	64-LQFP	
Report errors?	Supplier Device Package	64-LQFP (12x12)	
			Report errors?

### MB90F352SPMCR-GS-SPE1 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.

## MB90F352SPMCR-GS-SPE1 Payment Methods



















## MB90F352SPMCR-GS-SPE1 Shipping Methods













If you have any question about MB90F352SPMCR-GS-SPE1, please do not hesitate to contact us!

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