

# MB90362ESPMT-GS-119E1

### MB90362ESPMT-GS-119E1 Information



For Reference Only

Part Number MB90362ESPMT-GS-119E1
Manufacturer Cypress Semiconductor Corp
Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 16BIT 64KB MROM 48LQFP

Package 48-LQFP

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









<b>MB90362ESPM</b>	T CC 110F1	Specifications
MIDSOSESPIM	1-62-11761	Specifications

Manufacturer Part Number         MB90362ESPMT-GS-119E1           Manufacturer         Cypress Semiconductor Corp           Category         Integrated Circuits (ICs)           Package         48-LQFP           Series         F2MC-16LX MB90360E           Core Processor         F2MC-16LX MB90360E           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP (7x7)			
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         48-LQFP           Series         F2MC-16LX MB90360E           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP	Manufacturer Part Number	MB90362ESPMT-GS-119E1	
Package         48-LQFP           Series         F2MC-16LX MB90360E           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP (7x7)	Manufacturer	Cypress Semiconductor Corp	
Package         48-LQFP           Series         F2MC-16LX MB90360E           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP	Category	Integrated Circuits (ICs)	
Series         F2MC-16LX MB90360E           Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP (7x7)		Embedded - Microcontrollers	
Core Processor         F2MC-16LX           Core Size         16-Bit           Speed         24MHz           Connectivity         CAN, LIN, UART/USART           Peripherals         DMA, POR, WDT           Number of I/O         36           Program Memory Size         64KB (64K x 8)           Program Memory Type         Mask ROM           EEPROM Size         -           RAM Size         3K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 16x8/10b           Oscillator Type         External           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         48-LQFP           Supplier Device Package         48-LQFP	Package	48-LQFP	
Core Size 16-Bit  Speed 24MHz Connectivity CAN, LIN, UART/USART  Peripherals DMA, POR, WDT  Number of I/O 36  Program Memory Size 64KB (64K x 8)  Program Memory Type Mask ROM  EEPROM Size -  RAM Size 3K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 16x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type  Supplier Device Package 48-LQFP  Supplier Device Package	Series	F2MC-16LX MB90360E	
Speed24MHzConnectivityCAN, LIN, UART/USARTPeripheralsDMA, POR, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeMask ROMEEPROM Size-RAM Size3K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Core Processor	F2MC-16LX	
Connectivity  Can, LIN, UART/USART  DMA, POR, WDT  Number of I/O  36  Program Memory Size  64KB (64K x 8)  Program Memory Type  Mask ROM  EEPROM Size  -  RAM Size  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 16x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Package / Case  48-LQFP  Supplier Device Package	Core Size	16-Bit	
Peripherals Number of I/O 36 Program Memory Size 64KB (64K x 8) Program Memory Type Mask ROM  EEPROM Size - RAM Size 3K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 16x8/10b  Oscillator Type External Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case Supplier Device Package 48-LQFP 48-LQFP (7x7)	Speed	24MHz	
Number of I/O Program Memory Size 64KB (64K x 8) Program Memory Type Mask ROM EEPROM Size - RAM Size 3K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x8/10b Oscillator Type External Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case Supplier Device Package 48-LQFP (7x7)	Connectivity	CAN, LIN, UART/USART	
Program Memory Size  Program Memory Type  Mask ROM  EEPROM Size  RAM Size  3K x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  Package / Case  Supplier Device Package  48-LQFP  48-LQFP (7x7)	Peripherals	DMA, POR, WDT	
Program Memory Type  EEPROM Size  RAM Size  3K x 8  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  48-LQFP  Supplier Device Package	Number of I/O	36	
EEPROM Size - 3K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 16x8/10b  Oscillator Type External  Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 48-LQFP  Supplier Device Package 48-LQFP (7x7)	Program Memory Size	64KB (64K x 8)	
RAM Size  Voltage - Supply (Vcc/Vdd)  Data Converters  A/D 16x8/10b  Oscillator Type  External  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  48-LQFP  Supplier Device Package	Program Memory Type	Mask ROM	
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	EEPROM Size	-	
Data ConvertersA/D 16x8/10bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	RAM Size	3K x 8	
Oscillator TypeExternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case $48\text{-LQFP}$ Supplier Device Package $48\text{-LQFP (7x7)}$	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V	
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case $48\text{-LQFP}$ Supplier Device Package $48\text{-LQFP} (7x7)$	Data Converters	A/D 16x8/10b	
Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Oscillator Type	External	
Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package 48-LQFP (7x7)	Mounting Type	-	
	Package / Case	48-LQFP	
Report errors?	Supplier Device Package	48-LQFP (7x7)	
		Report errors?	

### MB90362ESPMT-GS-119E1 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.

## MB90362ESPMT-GS-119E1 Payment Methods



















## MB90362ESPMT-GS-119E1 Shipping Methods













If you have any question about MB90362ESPMT-GS-119E1, please do not hesitate to contact us!

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