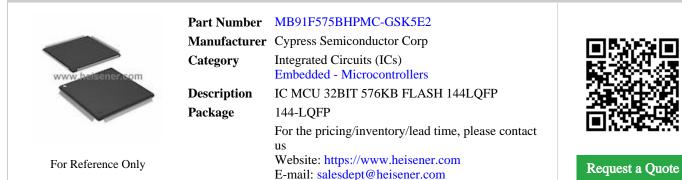


MB91F575BHPMC-GSK5E2

MB91F575BHPMC-GSK5E2 Information



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.



MB91F575BHPMC-GSK5E2 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesFR MB91570Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCAN, CSIO, EBI/EMI, I2C, LIN, SPI, UART/USARTNumber of I/O111Program Memory Size56KB (576K x 8)Program Memory TypeFLASHEEPROM Size3V ~ 5.5 VNutage - Supply (Vcc/Vdd)3V ~ 5.5 VData ConvertersA/D 40x8/l0b, D/A 2x8bOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 144-LQFP Series FR MB91570 Core Processor FR81S Core Size 32-Bit Speed 80MHz Connectivity CAN, CSIO, EBI/EMI, I2C, LIN, SPI, UART/USART Peripherals DMA, LCD, LVD, POR, PWM, WDT Number of I/O 111 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 Nutae - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 40x8/10b, D/A 2x8b Oscillator Type External Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 144-LQFP (20x20)	Manufacturer Part Number	MB91F575BHPMC-GSK5E2
Embedded - MicrocontrollersPackage144-LQFPSeriesFR MB91570Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCAN, CSIO, EBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Manufacturer	Cypress Semiconductor Corp
Package144-LQFPSeriesFR MB91570Core ProcessorFR81SCore Size32-BitSpeed80MHzConnetivityCAN, CSIO, EBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)PROM Size64K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeEternalOperating Temperature-0°C ~ 105°C (TA)Package / Case144-LQFP (20x20)	Category	Integrated Circuits (ICs)
SeriesFR MB91570Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCAN, CSIO, EBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)		Embedded - Microcontrollers
Core ProcessorFR81SCore Size32-BitSpeed80MHzConnectivityCAN, CSIO, EBI/EMI, 12C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator Type-Program Type-Package / Case144-LQFP (20x20)	Package	144-LQFP
Core Size32-BitSpeed80MHzConnectivityCAN, CSIO, EBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator Type-Program Gramerature-40°C ~ 105°C (TA)Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Series	FR MB91570
Speed80MHzConnectivityCAN, CSIO, EBI/EMI, I2C, LIN, SPI, UART/USARTPeripheralsDMA, LCD, LVD, POR, PWM, WDTNumber of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Processor	FR81S
Connectivity CAN, CSIO, EBI/EMI, 12C, LIN, SPI, UART/USART Peripherals DMA, LCD, LVD, POR, PWM, WDT Number of I/O 111 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 40x8/10b, D/A 2x8b Oscillator Type External Operating Temperature -40°C ~ 105°C (TA) Package / Case 144-LQFP (20x20)	Core Size	32-Bit
Peripherals DMA, LCD, LVD, POR, PWM, WDT Number of I/O 111 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size 64K x 8 RAM Size 48K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 40x8/10b, D/A 2x8b Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 144-LQFP (20x20)	Speed	80MHz
Number of I/O111Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8KAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Connectivity	CAN, CSIO, EBI/EMI, I2C, LIN, SPI, UART/USART
Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size64K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Peripherals	DMA, LCD, LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size64K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Number of I/O	111
EEPROM Size64K x 8RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	576KB (576K x 8)
RAM Size48K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	64K x 8
Data ConvertersA/D 40x8/10b, D/A 2x8bOscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	48K x 8
Oscillator TypeExternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Data Converters	A/D 40x8/10b, D/A 2x8b
Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Oscillator Type	External
Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package 144-LQFP (20x20)	Mounting Type	-
	Package / Case	144-LQFP
Report errors?	Supplier Device Package	144-LQFP (20x20)
		Report error

MB91F575BHPMC-GSK5E2 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.

MB91F575BHPMC-GSK5E2 Payment Methods



If you have any question about MB91F575BHPMC-GSK5E2, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com