

## MB91F362GBPFVS-G-N2E1

### MB91F362GBPFVS-G-N2E1 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.



## MB91F362GBPFVS-G-N2E1 Specifications

ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage208-BFQFPSeriesFR MB91360GCore ProcessorFS0 RISCCore Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPoripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage208-BFQFPSeriesFR MB91360GCore ProcessorFR50 RISCCore Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Pergorm Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-GFP (28x28)	Manufacturer Part Number	MB91F362GBPFVS-G-N2E1
Embedded - MicrocontrollersPackage208-BFQFPSeriesFR MB91360GCore ProcessorFR50 RISCCore Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQEPSupplier Device Package208-QFP (28x28)	Manufacturer	Cypress Semiconductor Corp
Package 208-BFQFP   Series FR MB91360G   Core Processor FR50 RISC   Core Size 32-Bit   Speed 64MHz   Connectivity CANbus, PC, Serial I/O, UART/USART   Peripherals DMA, POR, PWM, WDT   Number of I/O 160   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 20K x 8   Voltage - Supply (Vcc/Vdd) 4.25 V ~ 5.25 V   Data Converters A/D 8x10b, D/A 2x10b   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 208-BFQEP   Supplier Device Package 208-QFP (2828)	Category	Integrated Circuits (ICs)
SeriesFR MB91360GCore ProcessorFR50 RISCCore Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)		Embedded - Microcontrollers
Core ProcessorFR50 RISCCore Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Package	208-BFQFP
Core Size32-BitSpeed64MHzConnectivityCANbus, PC, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type08-BFQFPSupplier Device Package208-QFP (28x28)	Series	FR MB91360G
Speed64MHzConnectivityCANbus, I²C, Serial I/O, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O160Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type08-BFQFPSupplier Device Package208-QFP (28x28)	Core Processor	FR50 RISC
Connectivity CANbus, PC, Serial I/O, UART/USART   Peripherals DMA, POR, PWM, WDT   Number of I/O 160   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 20K x 8   Voltage - Supply (Vcc/Vdd) 4.25 V ~ 5.25 V   Data Converters A/D 8x10b, D/A 2x10b   Oscillator Type External   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 208-BFQFP   Supplier Device Package 208-QFP (28x28)	Core Size	32-Bit
Peripherals DMA, POR, PWM, WDT   Number of I/O 160   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 20K x 8   Voltage - Supply (Vcc/Vdd) 4.25 V ~ 5.25 V   Data Converters A/D 8x10b, D/A 2x10b   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 208-BFQFP   Supplier Device Package 208-QFP (28x28)	Speed	64MHz
Number of I/O 160   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 20K x 8   Voltage - Supply (Vcc/Vdd) 4.25 V ~ 5.25 V   Data Converters A/D 8x10b, D/A 2x10b   Oscillator Type External   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 208-BFQFP   Supplier Device Package 208-QFP (28x28)	Connectivity	CANbus, I <sup>2</sup> C, Serial I/O, UART/USART
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Peripherals	DMA, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Number of I/O	160
EEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Program Memory Size	512KB (512K x 8)
RAM Size20K x 8Voltage - Supply (Vcc/Vdd)4.25 V ~ 5.25 VData ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) 4.25 V ~ 5.25 V   Data Converters A/D 8x10b, D/A 2x10b   Oscillator Type External   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type -   Package / Case 208-BFQFP   Supplier Device Package 208-QFP (28x28)	EEPROM Size	-
Data ConvertersA/D 8x10b, D/A 2x10bOscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	RAM Size	20K x 8
Oscillator TypeExternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Voltage - Supply (Vcc/Vdd)	4.25 V ~ 5.25 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Data Converters	A/D 8x10b, D/A 2x10b
Mounting Type-Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Oscillator Type	External
Package / Case208-BFQFPSupplier Device Package208-QFP (28x28)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package208-QFP (28x28)	Mounting Type	-
	Package / Case	208-BFQFP
Report errors?	Supplier Device Package	208-QFP (28x28)
		Report errors?

## MB91F362GBPFVS-G-N2E1 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.

# MB91F362GBPFVS-G-N2E1 Payment Methods WIRE transfer PayPai Methods MB91F362GBPFVS-G-N2E1 Shipping Methods MB91F362GBPFVS-G-N2E1 Shipping Methods MB91F362GBPFVS-G-N2E1 Shipping Methods

If you have any question about MB91F362GBPFVS-G-N2E1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com