

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 ² 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.

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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