

MCF52258VN80

MCF52258VN80 Information

	Part Number Manufacturer Category Description Package	MCF52258VN80 NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 512KB FLASH 144BGA 144-LBGA For the pricing/inventory/lead time, please contact us	
For Reference	e Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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MCF52258VN80 Specifications

Manufacturer NXP Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 144-LBGA Series MCF5225x Core Processor Coldfire V2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, QSPI, UART/USART, USB OTG Porgram Memory Size DMA, LVD, POR, PWM, WDT Number of I/O 96 Program Memory Size 512KB (512K x 8) EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Package / Case 144-LBGA			
Integrated Circuits (ICs) Embedded - Microcontrollers Package 144-LBGA Series MCF5225x Core Processor Coldfire V2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, Ethernet, 12C, QSPI, UART/USART, USB OTG Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 96 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Doscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Operating Temperature - Package / Case 144-LBGA Supplier Device Package 144-MAPBGA (13x13)	Manufacturer Part Number	MCF52258VN80	
Embedded - MicrocontrollersPackage144-LBGASeriesMCF5225xCore ProcessorColdfire V2Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTGPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Manufacturer	NXP	
Package I44-LBGA Series MCF5225x Core Processor Coldfire V2 Core Size 32-Bit Speed 80MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTG Peripherals DMA, LVD, POR, PWM, WDT Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Derating Temperature 0°C ~ 70°C (TA) Operating Temperature 0°C ~ 70°C (TA) Package / Case 144-LBGA Supplier Device Package 144-MAPBGA (13x13)	Category	Integrated Circuits (ICs)	
SeriesMCF5225xCore ProcessorColdfire V2Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTGPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOperating Temperature0°C ~ 70°C (TA)Mounting Type144-LBGASupplier Device Package144-MAPBGA (13x13)		Embedded - Microcontrollers	
Core ProcessorColdfire V2Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTGPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltag - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Package	144-LBGA	
Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTGPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOperating Temperature0°C ~ 70°C (TA)Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Series	MCF5225x	
Speed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTGPeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Core Processor	Coldfire V2	
Connectivity CAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTG Peripherals DMA, LVD, POR, PWM, WDT Number of I/O 96 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 8x12b Operating Temperature 0°C ~ 70°C (TA) Operating Type - Package / Case 144-LBGA Supplier Device Package 144-MAPBGA (13x13)	Core Size	32-Bit	
PeripheralsDMA, LVD, POR, PWM, WDTNumber of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Speed	80MHz	
Number of I/O96Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, QSPI, UART/USART, USB OTG	
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Peripherals	DMA, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bDoscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Number of I/O	96	
EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Program Memory Size	512KB (512K x 8)	
RAM Size64K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	EEPROM Size	-	
Data ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	RAM Size	64K x 8	
Oscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V	
Operating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Data Converters	A/D 8x12b	
Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Oscillator Type	Internal	
Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Operating Temperature	0°C ~ 70°C (TA)	
Supplier Device Package144-MAPBGA (13x13)	Mounting Type	-	
	Package / Case	144-LBGA	
Report errors?	Supplier Device Package	144-MAPBGA (13x13)	
			Report errors?

MCF52258VN80 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

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

MCF52258VN80 Payment Methods





If you have any question about MCF52258VN80, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com