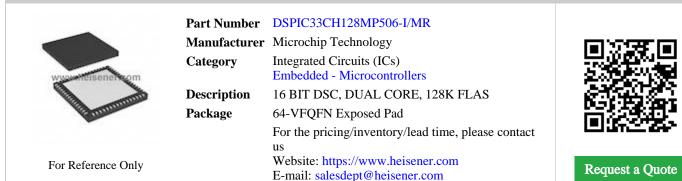


DSPIC33CH128MP506-I/MR

DSPIC33CH128MP506-I/MR 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.



DSPIC33CH128MP506-I/MR Specifications

Manufacturer Part Number DSPIC33CH128MP506-J/MR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 64-VFQFN Exposed Pad Scries dsPIC TM 33CH Core Processor dsPIC TM 33CH Core Size 16-Bit Dual-Core Speed 180MHz, 200MHz Connectivity CANbus, PC, IrDA, LINbus, SPI, UART/USART Porgram Memory Size 152KB (152K x 8) Program Memory Type FLASH/PRAM EEPROM Size - Valtage - Supply (Vcc/Vdd) 3V - 3.6 V Okage - Supply (Vcc/Vdd) 3V - 3.6 V Operating Temperature - Operating Temperature - Mounting Type - Package / Case 64-VFQFN Exposed Pad Suppler Orces -		-
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-VFQFN Exposed PadSeriesdsPIC [™] 33CHCore ProcessordsPICCore Size16-Bit Dual-CoreSpeed180MHz, 200MHzConnectivityCANbus, IPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Manufacturer Part Number	DSPIC33CH128MP506-I/MR
Endeddet - MicrocontrollersPackage64-VFQFN Exposed PadSeriesdsPIC ^M 33CHCore ProcessordsPICCore Size16-Bit Dual-CoreSpeed180MHz, 200MHzConcectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Manufacturer	Microchip Technology
Package64-VFQFN Exposed PadSeriesdsPICTM 33CHCore ProcessordsPICTM 33CHCore Size16-Bit Dual-CoreSpeed180MHz, 200MHzConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMPAM Size00K x 8Voltage - Supply (Vcc/Vd)3/V - 3.6 VNotify Type10HaralOperating Type40°C x 8°C (TA)Mouting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-OFN Exposed Pad	Category	Integrated Circuits (ICs)
SeriesdsPICTM 33CHCore ProcessordsPICCore Size16-Bit Dual-CoreSpeed180MHz, 200MHzConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case64-UFQ FN Exposed PadSupplier Device Package64-QFN (sys)		Embedded - Microcontrollers
Core ProcessordsPICCore Size16-Bit Dual-CoreSpeed180MHz, 200MHzConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VOscillator TypeAD 34x12b, D/A 4x12bOscillator Type-Mounting Type-Ackage / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Package	64-VFQFN Exposed Pad
Core Size16-Bit Dual-CoreSpeed180MHz, 200MHzConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-Valdage - Supply (Vcc/Vdd)3V ~ 3.6 VOtat ConvertersAD 34x12b, D/A 4x12bOuting Type-40°C ~ 85°C (TA)Mounting Type64-VFQFNExoge AdadSupplier Device Package64-QFNExoge AdadSupplier Device Package64-QFNExoge Adad	Series	dsPIC TM 33CH
Speed180MHz, 200MHzConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMPROM Size-RAM Size0K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-Package / Case64-VFQFNExposed PadSupplier Device Package64-QFN (9x9)	Core Processor	dsPIC
ConnectivityCANbus, PC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Core Size	16-Bit Dual-Core
PeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Speed	180MHz, 200MHz
Number of I/O53Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
Program Memory Size152KB (152K x 8)Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT
Program Memory TypeFLASH/PRAMEEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Number of I/O	53
EEPROM Size-RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Program Memory Size	152KB (152K x 8)
RAM Size20K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Program Memory Type	FLASH/PRAM
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	EEPROM Size	-
Data ConvertersA/D 34x12b, D/A 4x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	RAM Size	20K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Data Converters	A/D 34x12b, D/A 4x12b
Mounting Type-Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Oscillator Type	Internal
Package / Case64-VFQFN Exposed PadSupplier Device Package64-QFN (9x9)	Operating Temperature	$-40^{\circ}C \sim 85^{\circ}C$ (TA)
Supplier Device Package64-QFN (9x9)	Mounting Type	-
	Package / Case	64-VFQFN Exposed Pad
Report errors ⁶	Supplier Device Package	64-QFN (9x9)
		Report errors?

DSPIC33CH128MP506-I/MR 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.

DSPIC33CH128MP506-I/MR Payment Methods



If you have any question about DSPIC33CH128MP506-I/MR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com