

DSPIC33CK64MP102-E/M6

DSPIC33CK64MP102-E/M6 Information



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DSPIC33CK64MP102-E/M6 Specifications

Manufacturer Part Number DSPIC33CK64MP102-E/M6 Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 28-UFQFN Exposed Pad Scries Automotive, AEC-Q100, dsPIC ^M 33CK Core Processor 6-Bit Speed 100MHz Concritivity PC, IrDA, LINbus, SPI, UART/USART Concritivity 21 Number of I/O 21 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH Voltage - Supply (Vcc/Vdd) 3V ~ 3.6V Oscritory Type FLASI 220°C (TA) Oldage - Supply (Vcc/Vdd) 3V ~ 3.6V Ordizer Size Care 400°C ~ 125°C (TA) Mounting Type Surface Mount Program Generature 40°C ~ 125°C (TA) Mounting Type Surface Mount		-	
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage28-UFQFN Exposed PadSeriesAutomotive, AEC-Q100, dsPICTM 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityFC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Manufacturer Part Number	DSPIC33CK64MP102-E/M6	
IndextedEmbedded - MicrocontrollersPackage28-UFQFN Exposed PadSeriesAutomotive, AEC-Q100, dsPIC [™] 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Manufacturer	Microchip Technology	
Package28-UFQFN Exposed PadSeriesAutomotive, AEC-Q100, dsPICTM 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConectivityFC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)PEROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 312bOscillator TypeInternalOperating Temperature4.0°C ~ 125°C (TA)Mounting TypeSu FugeNE PadaPackage / Case38-UGFN Exposed PadaSupplier Device Package88-UQFN Exposed Pada	Category	Integrated Circuits (ICs)	
SeriesAutomotive, AEC-Q100, dsPIC™ 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)		Embedded - Microcontrollers	
Core ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersAD 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type3E-UFQFN Exposed PadSupplier Device Package28-UFQFN (4x4)	Package	28-UFQFN Exposed Pad	
Core Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature4.0°C ~ 15°C (TA)Mounting TypeSu-GAUPackage / Case8.2UFQFN Exposed PadSupplier Device Package8-UQFN (4x4)	Series	Automotive, AEC-Q100, dsPIC [™] 33CK	
Speed100MHzConnectivityFC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator Type4v°c ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8k-UGPN Eage PadSuppler Device Package2e-UQFN (44)	Core Processor	dsPIC	
ConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSu face MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Core Size	16-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDTNumber of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Speed	100MHz	
Number of I/O21Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART	
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, QEI, Smart Card, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Number of I/O	21	
EEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Program Memory Size	64KB (64K x 8)	
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)3V ~ 3.6VData ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	EEPROM Size	-	
Data ConvertersA/D 12x12b; D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	RAM Size	8K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Data Converters	A/D 12x12b; D/A 3x12b	
Mounting TypeSurface MountPackage / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Oscillator Type	Internal	
Package / Case28-UFQFN Exposed PadSupplier Device Package28-UQFN (4x4)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 28-UQFN (4x4)	Mounting Type	Surface Mount	
	Package / Case	28-UFQFN Exposed Pad	
Report errors?	Supplier Device Package	28-UQFN (4x4)	
			Report errors?

DSPIC33CK64MP102-E/M6 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.

DSPIC33CK64MP102-E/M6 Payment Methods



If you have any question about DSPIC33CK64MP102-E/M6, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com