

# DSPIC33CK64MP208-I/PT

### DSPIC33CK64MP208-I/PT Information

www.heisener.com	 DSPIC33CK64MP208-I/PT Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers 16 BIT DSC, 64KB FLASH, 8KB RAM, 80-TQFP For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **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.



# DSPIC33CK64MP208-I/PT Specifications

ManufacturerMicrochip TechnologyManufacturerMicrochip TechnologyIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-TQFPSeriesdsPIC <sup>TA</sup> 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFPSupplier Device Package80-TQFP (12x12)				
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-TQFPSeriesdsPIC <sup>TM</sup> 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Pergram Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP (12x12)	Manufacturer Part Number	DSPIC33CK64MP208-I/PT		
Embedded - MicrocontrollersPackage80-TQFPSeriesdsPIC <sup>TM</sup> 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)PerpM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP (12x12)	Manufacturer	Microchip Technology		
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SeriesdsPIC <sup>TM</sup> 33CKCore ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type50-TQFPPackage / Case80-TQFP (12x12)		Embedded - Microcontrollers		
Core ProcessordsPICCore Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-Nuftige - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersAD 24x12b, D/A 3x12bOscillator Type-Operating Temperature-Program Generature-Program Syste-Suppler Device Package80-TQFP (12x12)	Package	80-TQFP		
Core Size16-BitSpeed100MHzConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case80-TQFP (12x12)	Series	dsPIC <sup>TM</sup> 33CK		
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ConnectivityPC, IrDA, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Core Size	16-Bit		
PeripheralsBrown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDTNumber of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP (12x12)	Speed	100MHz		
Number of I/O69Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP (12x12)	Connectivity	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART		
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP (12x12)	Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT		
Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFP<(12x12)	Number of I/O	69		
EEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Program Memory Size	64KB (64K x 8)		
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Program Memory Type	FLASH		
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	EEPROM Size	-		
Data ConvertersA/D 24x12b, D/A 3x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	RAM Size	8K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V		
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Data Converters	A/D 24x12b, D/A 3x12b		
Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Oscillator Type	Internal		
Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)	Operating Temperature	-40°C ~ 85°C (TA)		
Supplier Device Package80-TQFP (12x12)	Mounting Type	-		
	Package / Case	80-TQFP		
Report errors'	Supplier Device Package	80-TQFP (12x12)		
		Report errors?		

#### DSPIC33CK64MP208-I/PT 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.

#### DSPIC33CK64MP208-I/PT Payment Methods



If you have any question about DSPIC33CK64MP208-I/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com