

DSPIC33EP128GM710-I/PT

DSPIC33EP128GM710-I/PT 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.



DSPIC33EP128GM710-I/PT Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-TQFPSeriesdsPIC? 33EPCore ProcessordsPICCore Sroce16-BitSpeed70 MIPsConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VDorating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)		
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SeriesdsPIC? 33EPCore ProcessordsPICCore Size16-BitSpeed70 MIPsConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)		Embedded - Microcontrollers
Core ProcessordsPICCore Size16-BitSpeed70 MIPsConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTPorpheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VSocillator TypeAD 49x10b/12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Prokage / Case100-TQFP (12x12)	Package	100-TQFP
Core Size16-BitSpeed70 MIPsConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersAD 49x10b/12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Series	dsPIC? 33EP
Speed70 MIPsConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator Type-Mounting Type-Package / Case100-TQFP (12x12)	Core Processor	dsPIC
ConnectivityCAN, 12C, IrDA, LIN, QEI, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Core Size	16-Bit
PeripheralsBrown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Speed	70 MIPs
Number of I/O85Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Connectivity	CAN, I2C, IrDA, LIN, QEI, SPI, UART/USART
Program Memory Size128KB (43K x 24)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFP (12x12)	Peripherals	Brown-out Detect/Reset, DMA, I2S, Motor Control PWM, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Number of I/O	85
EEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Program Memory Size	128KB (43K x 24)
RAM Size16K x 8Voltage - Supply (Vcc/Vd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	EEPROM Size	-
Data ConvertersA/D 49x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	RAM Size	16K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Data Converters	A/D 49x10b/12b
Mounting Type-Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Oscillator Type	Internal
Package / Case100-TQFPSupplier Device Package100-TQFP (12x12)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package100-TQFP (12x12)	Mounting Type	-
	Package / Case	100-TQFP
Report errors?	Supplier Device Package	100-TQFP (12x12)
		Report errors?

DSPIC33EP128GM710-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.

DSPIC33EP128GM710-I/PT Payment Methods



If you have any question about DSPIC33EP128GM710-I/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com