

# DSPIC33FJ128GP710A-E/PT

### DSPIC33FJ128GP710A-E/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.



## DSPIC33FJ128GP710A-E/PT Specifications

Manufacturer Part NumberDSPIC33FJ128GP710A-E/PTManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PackageIntegrated Circuits (ICs)Package100-TQFPSeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed40 MIPsConnectivityCAN, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsAC97, Brown-out Detect/Reset, DMA, I2S, POR, PWH, WDTNumber of I/O85Program Memory Size16XSK (128K x 8)Program Memory Size16K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VData ConvertersAD 32x10b/12bOscillator TypeInternalOrondring Type-Package / Case40°C ~ 125°C (TA)Mounting Type0.0-TQFPSupplier Device Package100-TQFP (12x12)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-TQFPSeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed40 MIPsConnectivityCAN, 12C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)PEROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersAD'32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type10-TQFPPackage / Case100-TQFP	Manufacturer Part Number	DSPIC33FJ128GP710A-E/PT	
Embedded - MicrocontrollersPackage100-TQFPSeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSpeed40 MIPsConnectivityCAN, 12C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)PEROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type10-TQFPPackage / Case100-TQFP	Manufacturer	Microchip Technology	
Package     100-TQFP       Series     dsPIC? 33F       Core Processor     dsPIC       Core Processor     dsPIC       Core Size     16-Bit       Speed     40 MIPs       Connectivity     CAN, 12C, IrDA, LIN, SPI, UART/USART       Peripherals     AC'97, Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDT       Number of I/O     85       Program Memory Size     128KB (128K x 8)       Program Memory Type     FLASH       EEPROM Size     -       RAM Size     16K x 8       Voltage - Supply (Vcc/Vdd)     3 V ~ 3.6 V       Oscillator Type     Internal       Operating Temperature     -40°C ~ 125°C (TA)       Mounting Type     -       Package / Case     100-TQFP	Category	Integrated Circuits (ICs)	
SeriesdsPIC? 33FCore ProcessordsPICCore Size16-BitSped40 MIPsConectivityCAN, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type100-TQFPPackage / Case100-TQFP		Embedded - Microcontrollers	
Core ProcessordsPICCore Size16-BitSped40 MIPsConnectivityCAN, 12C, IrDA, LIN, SPI, UART/USARTPornectivityAC'97, Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VData ConvertersInternalOperating Temperature-Mounting Type-Package / Case00 TQFP	Package	100-TQFP	
Core Size16-BitSpeed40 MIPsConnectivityCAN, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersArdD 32x10b/12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type100-TQFPPackage / Case100-TQFP	Series	dsPIC? 33F	
Speed40 MIPsConnectivityCAN, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3V ~ 3.6 VData ConvertersAnd 32x10b/12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type100-TQFPProkage / Case100-TQFP	Core Processor	dsPIC	
ConnectivityCAN, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsAC'97, Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O85Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersAdD 32x10b/12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type100-TQFPPackage / Case100-TQFP	Core Size	16-Bit	
Peripherals     AC'97, Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDT       Number of I/O     85       Program Memory Size     128KB (128K x 8)       Program Memory Type     FLASH       EEPROM Size     -       RAM Size     16K x 8       Voltage - Supply (Vcc/Vdd)     3 V ~ 3.6 V       Data Converters     A/D 32x10b/12b       Operating Temperature     -40°C ~ 125°C (TA)       Mounting Type     -       Package / Case     100-TQFP	Speed	40 MIPs	
Number of I/O     85       Program Memory Size     128KB (128K x 8)       Program Memory Type     FLASH       EEPROM Size     -       RAM Size     16K x 8       Voltage - Supply (Vcc/Vdd)     3 V ~ 3.6 V       Data Converters     A/D 32x10b/12b       Oscillator Type     -       Operating Temperature     -40°C ~ 125°C (TA)       Mounting Type     -       Package / Case     100-TQFP	Connectivity	CAN, I2C, IrDA, LIN, SPI, UART/USART	
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Peripherals	AC'97, Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Number of I/O	85	
EEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Program Memory Size	128KB (128K x 8)	
RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	EEPROM Size	-	
Data ConvertersA/D 32x10b/12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	RAM Size	16K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V	
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case100-TQFP	Data Converters	A/D 32x10b/12b	
Mounting Type -   Package / Case 100-TQFP	Oscillator Type	Internal	
Package / Case 100-TQFP	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{(TA)}$	
-	Mounting Type	-	
Supplier Device Package100-TQFP (12x12)	Package / Case	100-TQFP	
	Supplier Device Package	100-TQFP (12x12)	
Report errors?			Report errors?

### DSPIC33FJ128GP710A-E/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.

#### DSPIC33FJ128GP710A-E/PT Payment Methods



If you have any question about DSPIC33FJ128GP710A-E/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com