

PIC16LF1789T-I/PT

PIC16LF1789T-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.



PIC16LF1789T-I/PT Specifications

Manufacturer Microchip Technology Manufacturer Microchip Technology Backage Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 44-TQFP Series PIC? XLP? 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Porgram Memory Size SerKB (16K x 14) Program Memory Size 28KB (16K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 14x12b, D/A 1x8b, 3x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 44-TQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage44-TQFPSeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)PERPOM Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Package / Case44-TQFP	Manufacturer Part Number	PIC16LF1789T-I/PT
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SeriesPIC? XLP? 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityICC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator Type-Program for Size4.0°C ~ 85°C (TA)Program for Size4.4TQFP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltag - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Package	44-TQFP
Core Size8-BitSpeed32MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Series	PIC? XLP? 16F
Speed32MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type44-TQFP	Core Processor	PIC
ConnectivityI2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator Type-Poperating Temperature-40°C ~ 85°C (TA)Package / Case44-TQFP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PSMC, PWM, WDTNumber of I/O35Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Speed	32MHz
Number of I/O 35 Program Memory Size 28KB (16K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 14x12b, D/A 1x8b, 3x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 44-TQFP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Peripherals	Brown-out Detect/Reset, POR, PSMC, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Number of I/O	35
EEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Program Memory Size	28KB (16K x 14)
RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Program Memory Type	FLASH
NoteInternalVoltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	EEPROM Size	256 x 8
Data ConvertersA/D 14x12b, D/A 1x8b, 3x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	RAM Size	2K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case44-TQFP	Data Converters	A/D 14x12b, D/A 1x8b, 3x5b
Mounting Type-Package / Case44-TQFP	Oscillator Type	Internal
Package / Case 44-TQFP	Operating Temperature	-40°C ~ 85°C (TA)
• • • • • • • • • • • • • • • • • • •	Mounting Type	-
Supplier Device Package44-TQFP (10x10)	Package / Case	44-TQFP
	Supplier Device Package	44-TQFP (10x10)
Report errors?		Report errors?

PIC16LF1789T-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.

PIC16LF1789T-I/PT Payment Methods





If you have any question about PIC16LF1789T-I/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com