



PIC16LF1829-I/P Information



For Reference Only

Part Number PIC16LF1829-I/P

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 14KB FLASH 20DIP

Package 20-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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PIC16LF1829-I/P Specifications

Manufacturer Part Number PIC16LF1829-I/P Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 20-DIP (0.300", 7.62mm) Series PIC? XLP? mTouch? 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-DIP (0.300", 7.62mm)	*	
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Core Size 8-Bit Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Series	PIC? XLP? mTouch? 16F
Speed 32MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 220-PDIP	Core Processor	PIC
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Core Size	8-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 17 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package	Speed	32MHz
Number of I/O Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 11K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package	Number of I/O	17
EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package	Program Memory Size	14KB (8K x 14)
RAM Size $ 1K \times 8 $ $ Voltage - Supply (Vcc/Vdd) \qquad 1.8 \ V \sim 3.6 \ V $ $ Data Converters \qquad A/D \ 12x10b $ $ Oscillator Type \qquad Internal $ $ Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C \ (TA) $ $ Mounting Type \qquad - $ $ Package / Case \qquad 20-DIP \ (0.300'', 7.62mm) $ $ Supplier Device Package \qquad 20-PDIP $	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $12x10b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 20-DIP (0.300° , 7.62mm)Supplier Device Package 20-PDIP	EEPROM Size	256 x 8
Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	RAM Size	1K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Data Converters	A/D 12x10b
Mounting Type - Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Oscillator Type	Internal
Package / Case 20-DIP (0.300", 7.62mm) Supplier Device Package 20-PDIP	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 20-PDIP	Mounting Type	-
	Package / Case	20-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	20-PDIP
		Report errors?

PIC16LF1829-I/P 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.

PIC16LF1829-I/P Payment Methods



















PIC16LF1829-I/P Shipping Methods













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