



## PIC16LF1517-E/P Information



For Reference Only

Part Number PIC16LF1517-E/P

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 8BIT 14KB FLASH 40DIP

**Package** 40-DIP (0.600", 15.24mm)

For the pricing/inventory/lead time, please contact

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.









## PIC16LF1517-E/P Specifications

Manufacturer Part Number         PIC16LF1517-E/P           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Package         40-DIP (0.600", 15.24mm)           Series         PIC? XLP? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Indeed of the controllers           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	*	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         40-DIP (0.600", 15.24mm)           Series         PIC? XLP? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	Manufacturer Part Number	PIC16LF1517-E/P
Embedded - Microcontrollers           Package         40-DIP (0.600", 15.24mm)           Series         PIC? XLP? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	Manufacturer	Microchip Technology
Package         40-DIP (0.600", 15.24mm)           Series         PIC? XLP? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         I2C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	Category	Integrated Circuits (ICs)
Series         PIC? XLP? 16F           Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP		Embedded - Microcontrollers
Core Processor         PIC           Core Size         8-Bit           Speed         20MHz           Connectivity         12C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	Package	40-DIP (0.600", 15.24mm)
Core Size         8-Bit           Speed         20MHz           Connectivity         12C, LIN, SPI, UART/USART           Peripherals         Brown-out Detect/Reset, POR, PWM, WDT           Number of I/O         36           Program Memory Size         14KB (8K x 14)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         512 x 8           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 3.6 V           Data Converters         A/D 28x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         40-DIP (0.600", 15.24mm)           Supplier Device Package         40-PDIP	Series	PIC? XLP? 16F
Speed 20MHz Connectivity I2C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 36 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 28x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Core Processor	PIC
Connectivity Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 36 Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 28x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Core Size	8-Bit
Peripherals  Brown-out Detect/Reset, POR, PWM, WDT  Number of I/O  36  Program Memory Size  14KB (8K x 14)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  512 x 8  Voltage - Supply (Vcc/Vdd)  1.8 V ~ 3.6 V  Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  -  Package / Case  40-DIP (0.600", 15.24mm)  Supplier Device Package	Speed	20MHz
Number of I/O Program Memory Size 14KB (8K x 14) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 28x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size  14KB (8K x 14)  Program Memory Type  FLASH  EEPROM Size  - RAM Size  512 x 8  Voltage - Supply (Vcc/Vdd)  1.8 V ~ 3.6 V  Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  - Package / Case  40-DIP (0.600", 15.24mm)  Supplier Device Package	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH  EEPROM Size -  RAM Size 512 x 8  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V  Data Converters A/D 28x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-PDIP	Number of I/O	36
EEPROM Size - Supply (Vcc/Vdd) 512 x 8  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V  Data Converters A/D 28x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-PDIP	Program Memory Size	14KB (8K x 14)
RAM Size 512 x 8  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V  Data Converters A/D 28x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-PDIP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)  1.8 V ~ 3.6 V  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  - Package / Case  40-DIP (0.600", 15.24mm)  Supplier Device Package	EEPROM Size	-
Data Converters  A/D 28x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  - Package / Case  40-DIP (0.600", 15.24mm)  Supplier Device Package  40-PDIP	RAM Size	512 x 8
Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-PDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case 40-DIP (0.600", 15.24mm)  Supplier Device Package 40-PDIP	Data Converters	A/D 28x10b
Mounting Type - Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Oscillator Type	Internal
Package / Case 40-DIP (0.600", 15.24mm) Supplier Device Package 40-PDIP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 40-PDIP	Mounting Type	-
	Package / Case	40-DIP (0.600", 15.24mm)
Report errors?	Supplier Device Package	40-PDIP
		Report errors?

#### PIC16LF1517-E/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.

## PIC16LF1517-E/P Payment Methods



















### PIC16LF1517-E/P Shipping Methods













If you have any question about PIC16LF1517-E/P, please do not hesitate to contact us!

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