

PIC16F18455T-I/STX

PIC16F18455T-I/STX Information



For Reference Only

Part Number PIC16F18455T-I/STX

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description 14KB, 1KB RAM, 2XPWMS, COMPARATO

Package 28-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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PIC16F18455T-I/STX Specifications

| Manufacturer Part Number PIC16F18455T-I/STX Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-VFQFN Exposed Pad Series PIC® XLP™ 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity I°C, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VFQFN (4x4) | • | | |
|---|----------------------------|---|---------|
| Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-VFQFN Exposed Pad Series PIC® XLP™ 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VGFN (4x4) | Manufacturer Part Number | PIC16F18455T-I/STX | |
| Embedded - MicrocontrollersPackage28-VFQFN Exposed PadSeriesPIC® XLP™ 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O26Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-VFQFN Exposed PadSupplier Device Package28-VQFN (4x4) | Manufacturer | Microchip Technology | |
| Package 28-VFQFN Exposed PadSeriesPIC® XLPTM 16FCore ProcessorPICCore Size 8-Bit Speed 32MHz ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O 26 Program Memory Size 14KB ($8\text{K x } 14$)Program Memory TypeFLASHEEPROM Size 256×8 RAM Size $1\text{K x } 8$ Voltage - Supply (Vcc/Vdd) $2.5 \text{ V} \sim 5.5 \text{ V}$ Data Converters A/D 24x12b , D/A 1x5b Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 28-VFQFN Exposed PadSupplier Device Package 28-VQFN (4x4) | Category | Integrated Circuits (ICs) | |
| Series PIC® XLP™ 16F Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | | Embedded - Microcontrollers | |
| Core Processor PIC Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Package | 28-VFQFN Exposed Pad | |
| Core Size 8-Bit Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Series | PIC® XLP TM 16F | |
| Speed 32MHz Connectivity PC, LINbus, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Core Processor | PIC | |
| Connectivity Pcripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Core Size | 8-Bit | |
| Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 26 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 28-VFQFN Exposed Pad 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Connectivity | I ² C, LINbus, 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) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | |
| Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Number of I/O | 26 | |
| EEPROM Size 256 x 8 RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Program Memory Size | 14KB (8K x 14) | |
| RAM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Program Memory Type | FLASH | |
| Voltage - Supply (Vcc/Vdd)2.5 V ~ 5.5 VData ConvertersA/D 24x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case28-VFQFN Exposed PadSupplier Device Package28-VQFN (4x4) | EEPROM Size | 256 x 8 | |
| Data Converters A/D 24x12b, D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | RAM Size | 1K x 8 | |
| Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Voltage - Supply (Vcc/Vdd) | 2.5 V ~ 5.5 V | |
| Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Data Converters | A/D 24x12b, D/A 1x5b | |
| Mounting Type - Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Oscillator Type | Internal | |
| Package / Case 28-VFQFN Exposed Pad Supplier Device Package 28-VQFN (4x4) | Operating Temperature | -40°C ~ 85°C (TA) | |
| Supplier Device Package 28-VQFN (4x4) | Mounting Type | - | |
| | Package / Case | 28-VFQFN Exposed Pad | |
| Report errors? | Supplier Device Package | 28-VQFN (4x4) | |
| | | Report | errors? |

PIC16F18455T-I/STX 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.

PIC16F18455T-I/STX Payment Methods



















PIC16F18455T-I/STX Shipping Methods













If you have any question about PIC16F18455T-I/STX, please do not hesitate to contact us!

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