

# PIC18F8722-E/PT

#### PIC18F8722-E/PT Information

| www.heisener.com   | PIC18F8722-E/PT<br>Microchip Technology<br>Integrated Circuits (ICs)<br>Embedded - Microcontrollers<br>IC MCU 8BIT 128KB FLASH 80TQFP<br>80-TQFP<br>For the pricing/inventory/lead time, please contact |                 |
|--------------------|---|-----------------|
| For Reference Only | us<br>Website: https://www.heisener.com<br>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.



### PIC18F8722-E/PT Specifications

| ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-TQFPSeriesPIC? 18FCore ProcessorPICCore Size8-BitSpeed25MHzConnectivityEBI/EMI, I2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, HLVD, POR, PWM, WDTProgram Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 125°C (TA)Advonting Type-Package / Case80-TQFP  |                            |   |
|---|----------------------------|---|
| CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-TQFPSeriesPIC? 18FCore ProcessorPICCore Size8-BitSeped25MHzConnectivityEBI/EMI, 12C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, HLVD, POR, PWM, WDTPorgram Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDorerting Temperature-40°C ~ 125°C (TA)Dackage / Case80-TQFPSupplier Device Package80-TQFP (12x12)  | Manufacturer Part Number   | PIC18F8722-E/PT                             |
| Enbedded - Microcontrollers       Package     80-TQFP       Series     PIC? 18F       Core Processor     PIC       Speed     25MHz       Connectivity     EBI/EMI, 12C, SPI, UART/USART       Peripherals     Brown-out Detect/Reset, HLVD, POR, PWM, WDT       Vumber of I/O     70       Program Memory Size     128KB (64K x 16)       Program Memory Type     FLASH       Start     3.8K x 8       Voltage - Supply (Vcc/Vdd)     4.2 V ~ 5.5 V       Data Converters     A/D 16x10b       Dereting Temperature     -40°C ~ 125°C (TA)       Operating Temperature     80-TQFP       Package / Case     80-TQFP (12x12) | Manufacturer               | Microchip Technology                        |
| Package80-TQFPSeriesPIC? 18FCore ProcessorPICCore Size8-BitSpeed25MHzConnetivityEBI/EMI, 12C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, HLVD, POR, PWM, WDTProgram Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 125°C (TA)Operating Temperatures80-TQFPPackage / Case80-TQFP (12x12)   | Category                   | Integrated Circuits (ICs)                   |
| Series     PIC 18F       Core Processor     PIC       Core Size     8-Bit       Speed     25MHz       Connectivity     EBI/EMI, 12C, SPI, UART/USART       Peripherals     Brown-out Detect/Reset, HLVD, POR, PWM, WDT       Peripherals     128KB (64K x 16)       Program Memory Size     128KB (64K x 16)       Program Memory Type     FLASH       SEPROM Size     3.8K x 8       Voltage - Supply (Vcc/Vdd)     4.2 V ~ 5.5 V       Data Converters     A/D 16x10b       Derating Temperature     -40°C ~ 125°C (TA)       Mounting Type     -       Package / Case     80-TQFP (12x12)                                |                            | Embedded - Microcontrollers                 |
| Core ProcessorPICCore Size8-BitSpeed25MHzConnectivityEBI/EMI, I2C, SPI, UART/USARTConnectivityBrown-out Detect/Reset, HLVD, POR, PWM, WDTPeripherals70Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature4.0°C ~ 125°C (TA)Program Generature8.9TQFPProgram Supple Device Package80-7QFP (12x12)  | Package                    | 80-TQFP                                     |
| Core Size8-BitSpeed25MHzConnectivityEBI/EMI, I2C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, HLVD, POR, PWM, WDTNumber of I/O70Program Memory Size128KB (64K x 16)Program Memory TypeFLASHBEPROM Size15K x 8AM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersInternalDerating Temperature44°C ~ 125°C (TA)Package / Case80-TQFP (12x12)  | Series                     | PIC? 18F                                    |
| Speed25MHzConnectivityEBI/EMI, 12C, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, HLVD, POR, PWM, WDTNumber of I/O70Program Memory Size128KB (64K x 16)Program Memory TypeFLASHEEPROM Size1K x 8AM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 125°C (TA)Operating Temperature6.0 TQFPPackage / Case80-TQFP (12x12)   | Core Processor             | PIC   |
| Connectivity     EBI/EMI, I2C, SPI, UART/USART       Peripherals     Brown-out Detect/Reset, HLVD, POR, PWM, WDT       Number of I/O     70       Program Memory Size     128KB (64K x 16)       Program Memory Type     FLASH       EEPROM Size     1K x 8       Seprod Size     3.8K x 8       Voltage - Supply (Vcc/Vdd)     4.2 V ~ 5.5 V       Data Converters     A/D 16x10b       Derating Temperature     -40°C ~ 125°C (TA)       Outning Type     -       Package / Case     80-TQFP (12x12)  | Core Size                  | 8-Bit                                       |
| Peripherals     Brown-out Detect/Reset, HLVD, POR, PWM, WDT       Number of I/O     70       Program Memory Size     128KB (64K x 16)       Program Memory Type     FLASH       EEPROM Size     1K x 8       AM Size     3.8K x 8       Voltage - Supply (Vcc/Vdd)     4.2 V ~ 5.5 V       Data Converters     A/D 16x10b       Derating Temperature     -40°C ~ 125°C (TA)       Mounting Type     -       Package / Case     80-TQFP (12x12)  | Speed                      | 25MHz                                       |
| Number of I/O     70       Program Memory Size     128KB (64K x 16)       Program Memory Type     FLASH       Program Memory Type     1K x 8       EEPROM Size     1K x 8       Voltage - Supply (Vcc/Vdd)     4.2 V ~ 5.5 V       Data Converters     A/D 16x10b       Dycating Temperature     -40°C ~ 125°C (TA)       Program Type     -       Package / Case     80-TQFP (12x12)   | Connectivity               | EBI/EMI, I2C, SPI, UART/USART               |
| Program Memory Size128KB (64K x 16)Program Memory TypeFLASHProgram Memory Type1K x 8EEPROM Size3.8K x 8AAM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 125°C (TA)Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)  | Peripherals                | Brown-out Detect/Reset, HLVD, POR, PWM, WDT |
| Program Memory TypeFLASHEEPROM Size1K x 8RAM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDocillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)  | Number of I/O              | 70  |
| EEPROM SizeIK x 8RAM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDecillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)  | Program Memory Size        | 128KB (64K x 16)                            |
| RAM Size3.8K x 8Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)   | Program Memory Type        | FLASH                                       |
| Voltage - Supply (Vcc/Vdd)4.2 V ~ 5.5 VData ConvertersA/D 16x10bDecillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)   | EEPROM Size                | 1K x 8                                      |
| Data ConvertersA/D 16x10bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)  | RAM Size                   | 3.8K x 8                                    |
| Dscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)   | Voltage - Supply (Vcc/Vdd) | 4.2 V ~ 5.5 V                               |
| Derating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)   | Data Converters            | A/D 16x10b                                  |
| Mounting Type -   Package / Case 80-TQFP   Supplier Device Package 80-TQFP (12x12)  | Oscillator Type            | Internal                                    |
| Package / Case80-TQFPSupplier Device Package80-TQFP (12x12)   | Operating Temperature      | -40°C ~ 125°C (TA)                          |
| Supplier Device Package 80-TQFP (12x12)   | Mounting Type              | -   |
|   | Package / Case             | 80-TQFP                                     |
| Report errors?  | Supplier Device Package    | 80-TQFP (12x12)                             |
|   |                            | Report errors?                              |

#### PIC18F8722-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.

### PIC18F8722-E/PT Payment Methods



### PIC18F8722-E/PT Shipping Methods



If you have any question about PIC18F8722-E/PT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com