

PIC17C42A-33I/PT



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Part Number: [PIC17C42A-33I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB OTP 44TQFP

Data sheet:  [PIC17C4x](#)  
 [Tips N Tricks Guide](#)  
 [Timer1 Errata](#)  
 [PIC17C42A Rev. A Silicon Errata Sheet](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC17C42A-33I/PT                          | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 4KB OTP 44TQFP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4070 pcs                                  | Data sheet                     | <a href="#">PIC17C4x</a><br><a href="#">Tips N Tricks Guide</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC17C42A Rev. A Silicon Errata Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.5 V ~ 6 V                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-TQFP (10x10)                           | Speed                          | 33MHz                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® 17C                                  | RAM Size                       | 232 x 8                                                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OTP                                       | Program Memory Size            | 4KB (2K x 16)                                                                                                                                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POR, PWM, WDT                             | Packaging                      | Tray                                                                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-TQFP                                   | Oscillator Type                | External                                                                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of I/O                  | 33                                                                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | PIC PIC® 17C Microcontroller IC 8-Bit 33MHz 4KB (2K x 16) OTP 44-TQFP (10x10)                                                                             |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Core Size                      | 8-Bit                                                                                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC                                       | Connectivity                   | UART/USART                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC17C42A                                 |                                |                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                              |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC17C42AT-16I/PQ</a><br>Description: IC MCU 8BIT 4KB OTP 44MQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC17C42AT-25/L</a><br>Description: IC MCU 8BIT 4KB OTP 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC17C42A-33E/PT</a><br>Description: IC MCU 8BIT 4KB OTP 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC17C42AT-16I/L</a><br>Description: IC MCU 8BIT 4KB OTP 44PLCC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC17C42A-33E/P</a><br>Description: IC MCU 8BIT 4KB OTP 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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