

PIC17C42A-16I/PQ



Part Number: [PIC17C42A-16I/PQ](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB OTP 44MQFP

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-16I/PQ                                                              | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC MCU 8BIT 4KB OTP 44MQFP                                                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11934 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-MQFP (10x10)                                                               | Speed                           | 16MHz                                                                                                                                                     |
| 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-QFP                                                                        | Oscillator Type                 | External                                                                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -40°C ~ 85°C (TA)                                                             | Number of I/O                   | 33                                                                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                                                                 | Manufacturer Standard Lead Time | 4 Weeks                                                                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                                                    | EEPROM Size                     | -                                                                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC PIC® 17C Microcontroller IC 8-Bit 16MHz 4KB (2K x 16) OTP 44-MQFP (10x10) | Data Converters                 | -                                                                                                                                                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-Bit                                                                         | Core Processor                  | PIC                                                                                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UART/USART                                                                    | Base Part Number                | PIC17C42A                                                                                                                                                 |
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