

PIC18F45K20T-I/PT



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**Part Number:** [PIC18F45K20T-I/PT](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 32KB FLASH 44TQFP

**Data sheet:**  [PIC18FxxK20 Datasheet](#)  
 [PIC18F2xK20, PIC18F4xK20 Errata, Datasheet](#)  
 [PIC18F45K20 PICkit™ 3 Debug](#)  
 [PIC18F\(2,4\)xK20 Programming Spec](#)

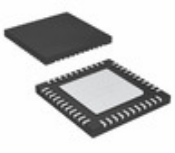
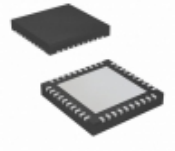
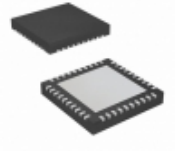
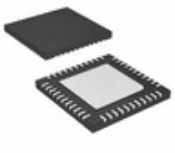
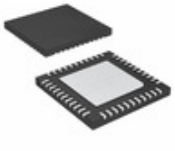
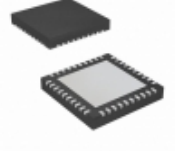
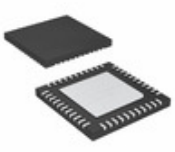
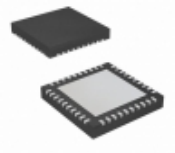
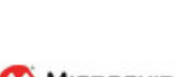
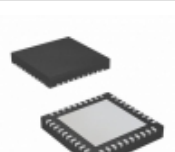
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |                                  |                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC18F45K20T-I/PT                                                                      | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 32KB FLASH 44TQFP                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43104 pcs                                                                              | Data sheet                       | <a href="#">PIC18FxxK20 Datasheet</a><br><a href="#">PIC18F2xK20, PIC18F4xK20 Errata, Datasheet</a><br><a href="#">PIC18F45K20 PICkit™ 3 Debug</a><br><a href="#">PIC18F(2,4)xK20 Programming Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                              | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44-TQFP (10x10)                                                                        | Speed                            | 64MHz                                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC® XLP™ 18K                                                                          | RAM Size                         | 1.5K x 8                                                                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                  | Program Memory Size              | 32KB (16K x 16)                                                                                                                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                            | Packaging                        | Cut Tape (CT)                                                                                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44-TQFP                                                                                | Other Names                      | PIC18F45K20T-I/PCT                                                                                                                                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                               | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                      |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 35                                                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                             | EEPROM Size                      | 256 x 8                                                                                                                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PIC PIC® XLP™ 18K Microcontroller IC 8-Bit 64MHz 32KB (16K x 16) FLASH 44-TQFP (10x10) | Data Converters                  | A/D 14x10b                                                                                                                                                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                                  | Core Processor                   | PIC                                                                                                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC, SPI, UART/USART                                                                    | Base Part Number                 | PIC18F45K20                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F45K22-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45K20-E/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 40UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45K22T-I/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 40UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F45K22-E/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|-------------------------------------------------|----------------------------------------|----------------------------------------|-------------------------|
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