

PIC18F45K20-E/MV



Part Number: [PIC18F45K20-E/MV](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 40UQFN

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

RoHs Status: Lead free / RoHS Compliant

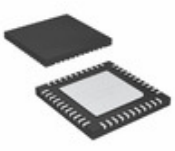
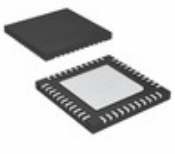
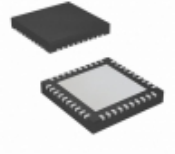
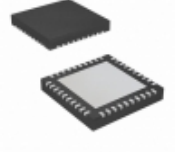
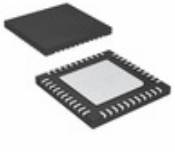
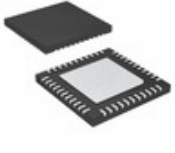
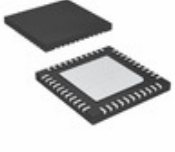
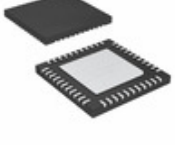
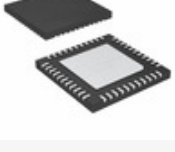
Ship From: Hong Kong

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |                                 |                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC18F45K20-E/MV                                                                     | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 32KB FLASH 40UQFN                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 52209 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40-UQFN (5x5)                                                                        | Speed                           | 48MHz                                                                                                                                                                                                  |
| 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                       | Tube                                                                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40-UQFN Exposed Pad                                                                  | Oscillator Type                 | Internal                                                                                                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                                   | Number of I/O                   | 35                                                                                                                                                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                                        | Manufacturer Standard Lead Time | 5 Weeks                                                                                                                                                                                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                           | EEPROM Size                     | 256 x 8                                                                                                                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® XLP™ 18K Microcontroller IC 8-Bit 48MHz 32KB (16K x 16) FLASH 40-UQFN (5x5) | Data Converters                 | A/D 14x10b                                                                                                                                                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                                | Core Processor                  | PIC                                                                                                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, SPI, UART/USART                                                                 | Base Part Number                | PIC18F45K20                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F45J11-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45J50-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45K20-E/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45K20-E/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/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F45K20-I/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 40UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F45J50T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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