

PIC18F66K80T-I/MR



Part Number: [PIC18F66K80T-I/MR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 64KB FLASH 64QFN

Data sheet:  [PIC18F66K80 Family Data Sheet](#)  
 [PIC18F66K80 Family Errata & Datasheet Clarificatio](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                 |                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC18F66K80T-I/MR                                                                   | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MCU 8BIT 64KB FLASH 64QFN                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 24776 pcs                                                                           | Data sheet                      | <a href="#">PIC18F66K80 Family Data Sheet</a><br><a href="#">PIC18F66K80 Family Errata &amp; Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                                           | Voltage - Supply (Vcc/Vdd)      | <a href="#">Clarificatio</a><br>1.8 V ~ 5.5 V                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                    | 64-QFN (9x9)                                                                        | Speed                           | 64MHz                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC® XLP™ 18K                                                                       | RAM Size                        | 3.6K x 8                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                                               | Program Memory Size             | 64KB (32K x 16)                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, LVD, POR, PWM, WDT                                          | Packaging                       | Tape & Reel (TR)                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 64-VFQFN Exposed Pad                                                                | Oscillator Type                 | Internal                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                                                                   | Number of I/O                   | 54                                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                                                                       | Manufacturer Standard Lead Time | 14 Weeks                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                                          | EEPROM Size                     | 1K x 8                                                                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC PIC® XLP™ 18K Microcontroller IC 8-Bit 64MHz 64KB (32K x 16) FLASH 64-QFN (9x9) | Data Converters                 | A/D 11x12b                                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-Bit                                                                               | Core Processor                  | PIC                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                               | ECANbus, I²C, LINbus, SPI, UART/USART                                               | Base Part Number                | PIC18F66K80                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
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|  | Part#: <a href="#">PIC18F66K90-I/PT</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F66K40T-I/PT</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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