

PIC18F4682-E/PT



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Part Number:

PIC18F4682-E/PT

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 8BIT 80KB FLASH 44TQFP

Data sheet:

 [PIC18F\(2, 4\)zzz Programming Specification](#)

 [PIC18F268x,468x Data Sheet Errata](#)

 [PIC18F268x, 468x Data Sheet](#)

 [PIC18F268x, 468x Revision A1 Errata](#)

RoHs Status:

Lead free / RoHS Compliant

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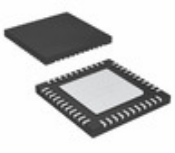
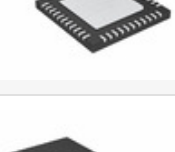
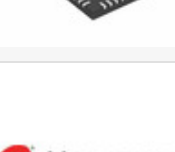
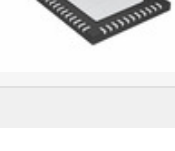
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                   |                                 |                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC18F4682-E/PT                                                                   | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 80KB FLASH 44TQFP                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12811 pcs                                                                         | Data sheet                      | <a href="#">PIC18F(2, 4)zzz Programming Specification</a><br><a href="#">PIC18F268x,468x Data Sheet Errata</a><br><a href="#">PIC18F268x, 468x Data Sheet</a><br><a href="#">PIC18F268x, 468x Revision A1 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 4.2 V ~ 5.5 V                                                                                                                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-TQFP (10x10)                                                                   | Speed                           | 40MHz                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® 18F                                                                          | RAM Size                        | 3.25K x 8                                                                                                                                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                                             | Program Memory Size             | 80KB (40K x 16)                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                       | Packaging                       | Tray                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-TQFP                                                                           | Oscillator Type                 | Internal                                                                                                                                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 125°C (TA)                                                                | Number of I/O                   | 36                                                                                                                                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                                                                     | Manufacturer Standard Lead Time | 10 Weeks                                                                                                                                                                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                                                        | EEPROM Size                     | 1K x 8                                                                                                                                                                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 80KB (40K x 16) FLASH 44-TQFP (10x10) | Data Converters                 | A/D 11x10b                                                                                                                                                                                                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8-Bit                                                                             | Core Processor                  | PIC                                                                                                                                                                                                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CANbus, I²C, SPI, UART/USART                                                      | Base Part Number                | PIC18F4682                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F4680-I/ML</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4680-H/ML</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4682T-I/ML</a><br>Description: IC MCU 8BIT 80KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F4682-E/ML</a><br>Description: IC MCU 8BIT 80KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18F4685-I/ML</a><br>Description: IC MCU 8BIT 96KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4682-E/P</a><br>Description: IC MCU 8BIT 80KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4680T-I/PT</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|-----------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|
| Related keywords for PIC18F4682-E/PT          |                                      |                                        |                       |
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