

PIC18F4685-I/PT



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Part Number: [PIC18F4685-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 96KB FLASH 44TQFP

Data sheet:  [PIC18F\(2, 4\)zzz Programming Specification](#)  
 [PIC18F268x,468x Data Sheet Errata](#)  
 [PIC18F268x, 468x Data Sheet](#)  
 [PIC18F268x, 468x Revision A1 Errata](#)

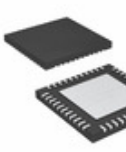
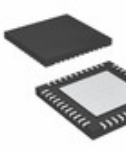
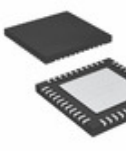
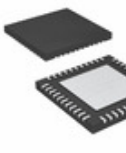
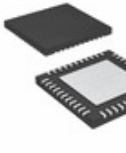
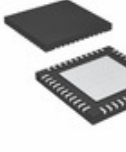
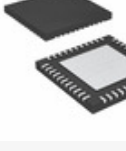
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                  |                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC18F4685-I/PT                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 96KB FLASH 44TQFP               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14847 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              | 96KB (48K x 16)                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, HLVD, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-TQFP                                     | Other Names                      | PIC18F4685IPT                                                                                                                                                                                                        |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                    | Operating Temperature            | -40°C ~ 85°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 96KB (48K 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC18F4685                                  |                                  |                                                                                                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F4682T-I/PT</a><br>Description: IC MCU 8BIT 80KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F46J13T-I/PT</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F46J13T-I/ML</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4682-I/P</a><br>Description: IC MCU 8BIT 80KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F46J11-I/ML</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4685T-I/ML</a><br>Description: IC MCU 8BIT 96KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F46J11-I/PT</a><br>Description: IC MCU 8BIT 64KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F46J13-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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