

PIC18F4580-E/P



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Part Number: [PIC18F4580-E/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 40DIP

Data sheet:  [PIC18Fxx80 Revision A1 Errata](#)  
 [PIC18F2x80, 4x80 Data Sheet](#)  
 [PIC18F\(2, 4\)zzz Programming Specification](#)  
 [PIC18F2x80,4x80 Errata & DataSheet](#)  
 [PIC18F2x80, 4x80 Data Sheet Errata](#)  
 [Timer1 Errata](#)  
 [PIC18F2x80, 4x80 Rev B0 Errata](#)

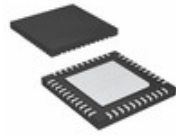
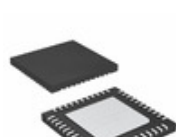
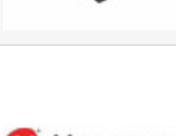
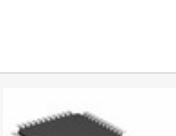
RoHs Status: Contains lead / RoHS non-compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |                                 |                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC18F4580-E/P                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 32KB FLASH 40DIP                                              | Lead Free Status / RoHS Status  | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16544 pcs                                                                 | Data sheet                      | <a href="#">PIC18Fxx80 Revision A1 Errata</a><br><a href="#">PIC18F2x80, 4x80 Data Sheet</a><br><a href="#">PIC18F(2, 4)zzz Programming Specification</a><br><a href="#">PIC18F2x80,4x80 Errata &amp; DataSheet Clarification</a><br><a href="#">PIC18F2x80, 4x80 Data Sheet Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC18F2x80, 4x80 Rev B0 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                 | Voltage - Supply (Vcc/Vdd)      | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40-PDIP                                                                   | Speed                           | 25MHz                                                                                                                                                                                                                                                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 18F                                                                  | 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-DIP (0.600", 15.24mm)                                                  | Oscillator Type                 | Internal                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 125°C (TA)                                                        | Number of I/O                   | 36                                                                                                                                                                                                                                                                                                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Not Applicable                                                            | Manufacturer Standard Lead Time | 4 Weeks                                                                                                                                                                                                                                                                                                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Contains lead / RoHS non-compliant                                        | EEPROM Size                     | 256 x 8                                                                                                                                                                                                                                                                                                                                                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC PIC® 18F Microcontroller IC 8-Bit 25MHz 32KB (16K x 16) FLASH 40-PDIP | Data Converters                 | A/D 11x10b                                                                                                                                                                                                                                                                                                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8-Bit                                                                     | Core Processor                  | PIC                                                                                                                                                                                                                                                                                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CANbus, I²C, SPI, UART/USART                                              | Base Part Number                | PIC18F4580                                                                                                                                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F4585-E/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4553T-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4580-I/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4585-E/PT</a><br>Description: IC MCU 8BIT 48KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F458-I/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4580-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4585-H/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F458-I/L</a><br>Description: IC MCU 8BIT 32KB FLASH 44PLCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4580-E/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F4585-E/P</a><br>Description: IC MCU 8BIT 48KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for PIC18F4580-E/P

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| Micrel / Microchip Technology PIC18F4580-E/P | PIC18F4580-E/P distributor          | PIC18F4580-E/P supplier                                  | PIC18F4580-E/P price |
| PIC18F4580-E/P download datasheet            | PIC18F4580-E/P datasheet            | PIC18F4580-E/P stock                                     | buy PIC18F4580-E/P   |
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RoHS

