




Micrel / Microchip Technology

## PIC18F2580-E/ML

Part Number: PIC18F2580-E/ML  
 Manufacturer/Brand: Micrel / Microchip Technology  
 Product description: IC MCU 8BIT 32KB FLASH 28QFN  
 Datasheets:  
 1. [PIC18F2580-E/ML.pdf](#)  
 2. [PIC18F2580-E/ML.pdf](#)  
 3. [PIC18F2580-E/ML.pdf](#)  
 4. [PIC18F2580-E/ML.pdf](#)  
 5. [PIC18F2580-E/ML.pdf](#)  
 6. [PIC18F2580-E/ML.pdf](#)  
 RoHS Status:  Lead free / RoHS Compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of PIC18F2580-E/ML

PART NUMBER	PIC18F2580-E/ML
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 32KB FLASH 28QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1. PIC18F2580-E/ML.pdf</a> <a href="#">2. PIC18F2580-E/ML.pdf</a> <a href="#">3. PIC18F2580-E/ML.pdf</a> <a href="#">4. PIC18F2580-E/ML.pdf</a> <a href="#">5. PIC18F2580-E/ML.pdf</a> <a href="#">6. PIC18F2580-E/ML.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	4.2 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	28-QFN (6x6)
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	28-VQFN Exposed Pad
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	25
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
MANUFACTURER STANDARD LEAD TIME	17 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	256 x 8
DETAILED DESCRIPTION	PIC PIC® 18F Microcontroller IC 8-Bit 25MHz 32KB (16K x 16) FLASH 28-QFN (6x6)
DATA CONVERTERS	A/D 8x10b
CORE SIZE	8-Bit
CORE PROCESSOR	PIC
CONNECTIVITY	CANbus, I <sup>2</sup> C, SPI, UART/USART
BASE PART NUMBER	PIC18F2580

### Related Tags

Micrel / Microchip Technology PIC18F2580-E/ML	PIC18F2580-E/ML Distributor	PIC18F2580-E/ML Supplier
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### Related Products

 <p><b>PIC18F2580-I/ML</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>PIC18F258-I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SOIC                  In stock: 477 pcs  <a href="#">RFQ</a></p>
 <p><b>PIC18F2553-I/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SDIP                  In stock: 330 pcs  <a href="#">RFQ</a></p>	 <p><b>PIC18F2580T-I/ML</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28QFN                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>PIC18F258-E/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SOIC                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>PIC18F258-E/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SDIP                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>PIC18F2580-E/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SDIP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>PIC18F2580-I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SOIC                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>PIC18F2580-I/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SDIP                  In stock: 777 pcs  <a href="#">RFQ</a></p>	 <p><b>PIC18F2553T-I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SOIC                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>PIC18F258-I/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SDIP                  In stock: 75 pcs  <a href="#">RFQ</a></p>	 <p><b>PIC18F2580-E/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 32KB FLASH 28SOIC                  In stock: 125 pcs  <a href="#">RFQ</a></p>