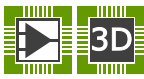



PIC18F2580-E/SO

Manufacturer Part Number	PIC18F2580-E/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F2580-E/SO
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	PIC18F(2, 4)zzz Programming Specification.pdf PIC18F2x80, 4x80 Data Sheet.pdf
RoHS Status	 ROHS3 Compliant


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PIC18F2580-E/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F2580-E/SO datasheet/specifications on AllelcoElec.com.
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Specifications





PIC18F2580-E/SO Tech Specifications

PIC18F2580-E/SO - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	25
Speed	25MHz	Mounting Type	Surface Mount
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	1.5K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Connectivity	CANbus, I ² C, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC18F2580
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F2580-E/SO

Product Attribute	 NO PICTURE			
Part Number	PIC18F2580-E/SO	PIC18F258-I/SP	PIC18F2550-I/SP	PIC18F2585-H/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	25	22	24	25
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	PIC18F2580	PIC18F258	PIC18F2550	PIC18F2585
Supplier Device Package	28-SOIC	28-SPDIP	28-SPDIP	28-SOIC
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	48KB (24K x 16)
EEPROM Size	256 x 8	256 x 8	256 x 8	1K x 8
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® 18F
Connectivity	CANbus, I ² C, SPI, UART/USART	CANbus, I ² C, SPI, UART/USART	I ² C, SPI, UART/USART, USB	CANbus, I ² C, SPI, UART/USART
Oscillator Type	Internal	External	Internal	Internal
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-DIP (0.300", 7.62mm)	28-DIP (0.300", 7.62mm)	28-SOIC (0.295", 7.50mm Width)
RAM Size	1.5K x 8	1.5K x 8	2K x 8	3.25K x 8
Core Processor	PIC	PIC	PIC	PIC
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 150°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Package	Tube	Tube	Tube	Tube
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Speed	25MHz	40MHz	48MHz	25MHz
Mounting Type	Surface Mount	Through Hole	Through Hole	Surface Mount
Data Converters	A/D 8x10b	A/D 5x10b	A/D 10x10b	A/D 8x10b

PIC18F2580-E/SO Datasheet PDF

Download PIC18F2580-E/SO pdf datasheets and Microchip Technology documentation for PIC18F2580-E/SO - Microchip Technology.

Datasheets


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

[PIC18F2x80, 4x80 Data Sheet.pdf](#)

PCN Packaging


[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Assembly/Origin

 SOIC-28L Palladium Coated Copper
29/Aug/2013.pdf

PCN Design/Specification




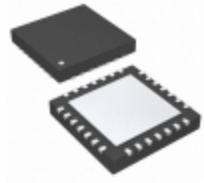



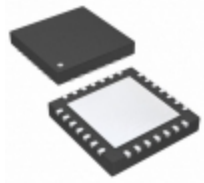
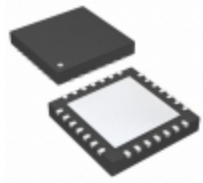
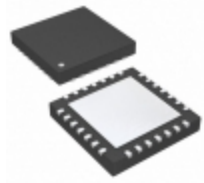





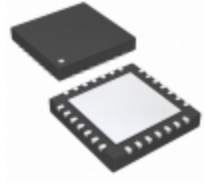


 New DeviceDoc 23/May/2016.pdf

Errata

 PIC18F2x80, 4x80 Data Sheet Errata.pdf

Customers Also Interested in

Recommended Products

					
PIC18F258-I/SP Microchip Technology IC MCU 8BIT 32KB FLASH 28SPDIP	PIC18F2550-I/SP Microchip Technology IC MCU 8BIT 32KB FLASH 28SPDIP	PIC18F2585-H/SO Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	PIC18F25J10-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	PIC18F2525T-I/SO Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	PIC18F2550-I/SO Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC
					
PIC18F2553-I/SO Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	PIC18F25J50-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	PIC18F2580-E/ML Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	PIC18F2580-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	PIC18F25J50-I/SO Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	PIC18F2525-I/SO Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC
					
PIC18F2525-I/SP Microchip Technology IC MCU 8BIT 48KB FLASH 28SPDIP	PIC18F252T-I/SO Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	PIC18F25J10-I/SS Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	PIC18F25J11-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	PIC18F2585-E/SO Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	PIC18F2580-I/SO Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00


Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.


Payment Support


The payment method can be chosen from the methods shown below:
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