



Image may be representation.
See specifications for product details.



PIC18F4580-I/P

Manufacturer Part Number	PIC18F4580-I/P
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F4580-I/P
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 40DIP
Package	40-DIP (0.600', 15.24mm)
Data sheet	PIC18F(2, 4)zzz Programming Specification.pdf PIC18F2x80, 4x80 Data Sheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC18F4580-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F4580-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18F4580-I/P, please send us email: info@allelco.com

Specifications

PIC18F4580-I/P Tech Specifications

PIC18F4580-I/P - 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 ~ 85°C (TA)
Supplier Device Package	40-PDIP	Number of I/O	36
Speed	40MHz	Mounting Type	Through Hole
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	1.5K x 8	Data Converters	A/D 11x10b
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	40-DIP (0.600', 15.24mm)	Base Product Number	PIC18F4580
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F4580-I/P

Product Attribute				
Part Number	PIC18F4580-I/P	PIC18F4523-I/PT	PIC18F45J10T-I/ML	PIC18F45J10-I/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Speed	40MHz	40MHz	40MHz	40MHz
Supplier Device Package	40-PDIP	44-TQFP (10x10)	44-QFN (8x8)	44-QFN (8x8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tube	Tray	Tape & Reel (TR)	Tube
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	2.7V ~ 3.6V	2.7V ~ 3.6V
Connectivity	CANbus, I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	PIC® 18F	PIC® 18F	PIC® 18J	PIC® 18J
EEPROM Size	256 x 8	256 x 8	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	40-DIP (0.600', 15.24mm)	44-TQFP	44-VQFN Exposed Pad	44-VQFN Exposed Pad
Number of I/O	36	36	32	32
RAM Size	1.5K x 8	1.5K x 8	1K x 8	1K x 8
Data Converters	A/D 11x10b	A/D 13x12b	A/D 13x10b	A/D 13x10b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Core Processor	PIC	PIC	PIC	PIC
Base Product Number	PIC18F4580	PIC18F4523	PIC18F45	PIC18F45

PIC18F4580-I/P Datasheet PDF

Download PIC18F4580-I/P pdf datasheets and Microchip Technology documentation for PIC18F4580-I/P - Microchip Technology.

Datasheets

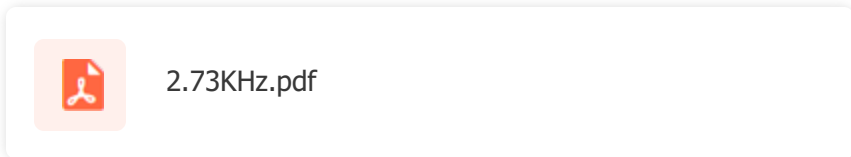
[PIC18F2x80, 4x80 Data Sheet.pdf](#)

PCN Packaging

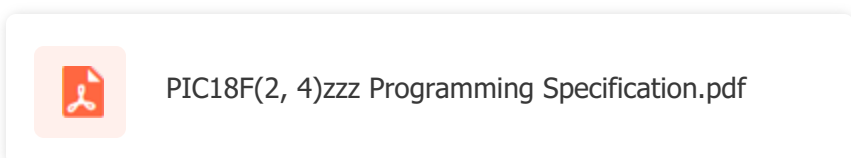
[Label and Packing Changes 23/Sep/2015.pdf](#)

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

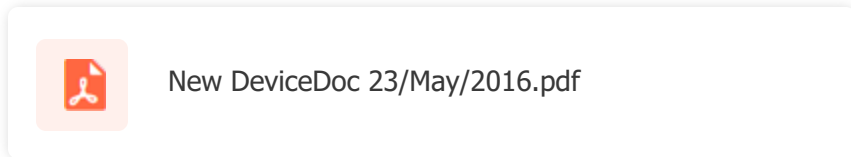
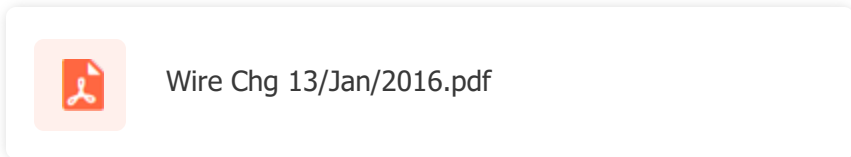
PCN Assembly/Origin



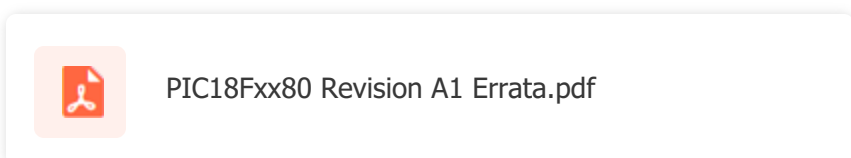
HTML Datasheet



PCN Design/Specification



Errata



Customers Also Interested in

Recommended Products

PIC18F4523-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F45J10T-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	PIC18F45J10-I/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	PIC18F45J10-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F458-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F4585-I/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP
PIC18F4550-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F4525-I/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP	PIC18F458-I/L Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC	PIC18F4585-E/PT Microchip Technology IC MCU 8BIT 48KB FLASH 44TQFP	PIC18F4550-I/P Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	PIC18F452T-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
PIC18F4525-I/ML Microchip Technology IC MCU 8BIT 48KB FLASH 44QFN	PIC18F4525-I/P Microchip Technology IC MCU 8BIT 48KB FLASH 40DIP	PIC18F4553-I/P Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	PIC18F4580T-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F458T-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F4580-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP

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:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
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Certifications & Memberships



View More

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