



## PIC18F2550-I/SP

Manufacturer Part Number	<b>PIC18F2550-I/SP</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC18F2550-I/SP
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 28SPDIP
Package	28-DIP (0.300", 7.62mm)
Data sheet	<a href="#">PIC18F(2, 4)zzz Programming Specification.pdf</a> <a href="#">PIC18F2455/2550/4455/4550 Datasheet.pdf</a>
RoHS Status	 ROHS3 Compliant


[Get a Quote](#)

PIC18F2550-I/SP - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F2550-I/SP datasheet/specifications on AllelcoElec.com.  
 Request a quote for PIC18F2550-I/SP, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications



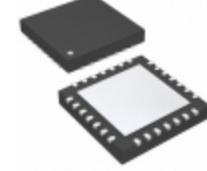

PIC18F2550-I/SP Tech Specifications

PIC18F2550-I/SP - 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	28-SPDIP	Number of I/O	24
Speed	48MHz	Mounting Type	Through Hole
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 10x10b
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	I²C, SPI, UART/USART, USB
Package / Case	28-DIP (0.300", 7.62mm)	Base Product Number	PIC18F2550
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F2550-I/SP

Product Attribute	 NO PICTURE			
Part Number	PIC18F2550-I/SP	<a href="#">PIC18F2520-E/SO</a>	<a href="#">PIC18F2580-I/ML</a>	<a href="#">PIC18F2525-I/SO</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V
Base Product Number	PIC18F2550	PIC18F2520	PIC18F2580	PIC18F2525
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	48KB (24K x 16)
Supplier Device Package	28-SPDIP	28-SOIC	28-QFN (6x6)	28-SOIC
RAM Size	2K x 8	1.5K x 8	1.5K x 8	3.8K x 8
Number of I/O	24	25	25	25
Package	Tube	Tube	Tube	Tube
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	48MHz	25MHz	40MHz	40MHz
Package / Case	28-DIP (0.300", 7.62mm)	28-SOIC (0.295", 7.50mm Width)	28-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)
EEPROM Size	256 x 8	256 x 8	256 x 8	1K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
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, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Core Processor	PIC	PIC	PIC	PIC
Connectivity	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART	CANbus, I²C, SPI, UART/USART	I²C, SPI, UART/USART
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® 18F
Data Converters	A/D 10x10b	A/D 10x10b	A/D 8x10b	A/D 10x10b

### PIC18F2550-I/SP Datasheet PDF

Download PIC18F2550-I/SP pdf datasheets and Microchip Technology documentation for PIC18F2550-I/SP - Microchip Technology.

#### Datasheets



PIC18F(2, 4)zzz Programming Specification.pdf



PIC18F2455/2550/4455/4550 Datasheet.pdf


#### PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf






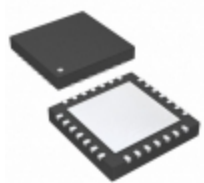
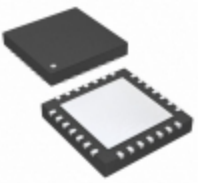
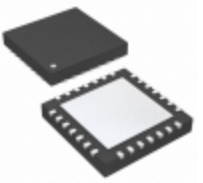
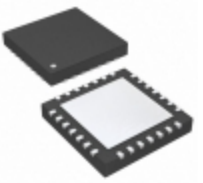
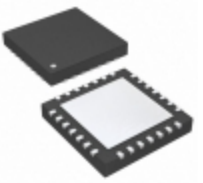














Packing Changes 10/Oct/2016.pdf

 Qualification Revision 23/Aug/2013.pdf

## Customers Also Interested in

### Recommended Products

				
				
<b>PIC18F2520-E/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	<b>PIC18F2580-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	<b>PIC18F2525-I/SO</b> Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	<b>PIC18F258-I/SP</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SPDIP	<b>PIC18F25J10-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN
				
<b>PIC18F2520-I/SP</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SPDIP	<b>PIC18F252T-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	<b>PIC18F2580-E/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	<b>PIC18F2580-E/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	<b>PIC18F2580-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC
				
<b>PIC18F2520-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	<b>PIC18F2525T-I/SO</b> Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	<b>PIC18F2550-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	<b>PIC18F2585-H/SO</b> Microchip Technology IC MCU 8BIT 48KB FLASH 28SOIC	<b>PIC18F2553-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC
				
				<b>PIC18F2585-E/SO</b> Microchip Technology IC MCU 8BIT 48KB 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 Allelco 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	 Email info@allelco.com
--	--

### Certifications & Memberships



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com