



Image may be representation.
See specifications for product details.



PIC16LF18446-I/SS

Manufacturer Part Number	PIC16LF18446-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16LF18446-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 28KB FLASH 20SSOP
Package	20-SSOP (0.209", 5.30mm Width)
Data sheet	PIC16(L)F18426,46.pdf PIC16(L)F18426,46.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16LF18446-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF18446-I/SS datasheet/specifications on AllelcoElec.com. Request a quote for PIC16LF18446-I/SS, please send us email: info@allelco.com

Specifications

PIC16LF18446-I/SS Tech Specifications
PIC16LF18446-I/SS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-SSOP	Number of I/O	18
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 17x12b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	28KB (16K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	20-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16LF18446
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF18446-I/SS

Product Attribute				
Part Number	PIC16LF18446-I/SS	PIC16LF18346T-I/GZ	PIC16LF18346-E/GZ	PIC16LF18425T-I/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC16LF18446	PIC16LF18346	PIC16LF18346	PIC16LF18425
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Package / Case	20-SSOP (0.209", 5.30mm Width)	20-UQFN Exposed Pad	20-UQFN Exposed Pad	14-TSSOP (0.173", 4.40mm Width)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Oscillator Type	Internal	Internal	Internal	External
Data Converters	A/D 17x12b; D/A 1x5b	A/D 17x10b; D/A 1x5b	A/D 17x10b; D/A 1x5b	A/D 11x12b; D/A 1x5b
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Core Processor	PIC	PIC	PIC	PIC
Speed	32MHz	32MHz	32MHz	32MHz
Number of I/O	18	18	18	11
Program Memory Size	28KB (16K x 14)	28KB (16K x 14)	28KB (16K x 14)	14KB (8K x 14)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	2K x 8	2K x 8	2K x 8	1K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Supplier Device Package	20-SSOP	20-UQFN (4x4)	20-UQFN (4x4)	14-TSSOP

PIC16LF18446-I/SS Datasheet PDF


Download PIC16LF18446-I/SS pdf datasheets and Microchip Technology documentation for PIC16LF18446-I/SS - Microchip Technology.


Datasheets

[PIC16\(L\)F18426,46.pdf](#)

HTML Datasheet

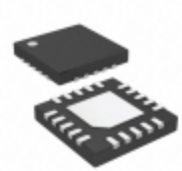
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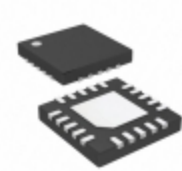
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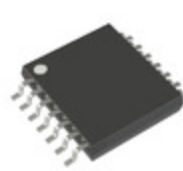
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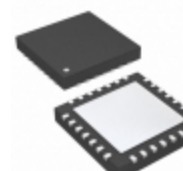
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Microchip Technology
IC MCU 8BIT 28KB FLASH 20UQFN



PIC16LF18346-E/GZ
Microchip Technology
IC MCU 8BIT 28KB FLASH 20UQFN



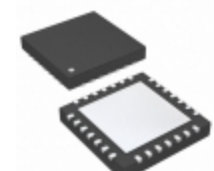
PIC16LF18425T-I/ST
Microchip Technology
IC MCU 8BIT 14KB FLASH 14TSSOP



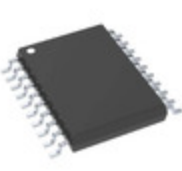
PIC16LF1847-I/MV
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IC MCU 8BIT 14KB FLASH 28UQFN



PIC16LF18346-I
Micrel / Microchip Technology



PIC16LF18855T-I/MV
Microchip Technology
IC MCU 8BIT 14KB FLASH 28UQFN



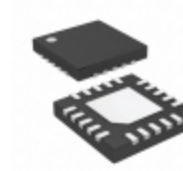
PIC16LF18446T-I/SS
Microchip Technology
IC MCU 8BIT 28KB FLASH 20SSOP



PIC16LF1847-E/SS
Microchip Technology
IC MCU 8BIT 14KB FLASH 20SSOP



PIC16LF1847-I/SO
Microchip Technology
IC MCU 8BIT 14KB FLASH 18SOIC



PIC16LF18446T-I/GZ
Microchip Technology
IC MCU 8BIT 28KB FLASH 20UQFN



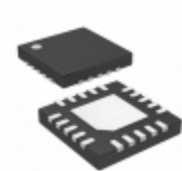
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Microchip Technology
IC MCU 8BIT 7KB FLASH 28SSOP



PIC16LF1847T-I/SO
Microchip Technology
IC MCU 8BIT 14KB FLASH 18SOIC



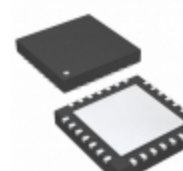
PIC16LF18446-E/SS
Microchip Technology
IC MCU 8BIT 28KB FLASH 20SSOP



PIC16LF18446-I/GZ
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IC MCU 8BIT 28KB FLASH 20UQFN



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IC MCU 8BIT 28KB FLASH 20SSOP



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IC MCU 8BIT 7KB FLASH 28UQFN



PIC16LF18346-I/SO
Microchip Technology
IC MCU 8BIT 28KB FLASH 20SOIC



PIC16LF18345-I/SO
Microchip Technology
IC MCU 8BIT 14KB FLASH 20SOIC

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



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