



PIC18F25K83-E/SO

Manufacturer Part Number	PIC18F25K83-E/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F25K83-E/SO
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 32KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	PIC18(L)F25,26K83 Datasheet.pdf
RoHs Status	ROHS3 Compliant



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Specifications

PIC18F25K83-E/SO Tech Specifications
PIC18F25K83-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)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	25
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K, Functional Safety (FuSa)	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 24x12b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	CANbus, I²C, LINbus, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC18F25
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F25K83-E/SO

Product Attribute				
Part Number	PIC18F25K83-E/SO	PIC18F25Q10-I/SS	PIC18F25K83-E/SS	PIC18F25K50-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Connectivity	CANbus, I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	CANbus, I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)
Program Memory Size	32KB (16K x 16)	32KB (32K x 8)	32KB (16K x 16)	32KB (16K x 16)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Supplier Device Package	28-SOIC	28-SSOP	28-SSOP	28-SSOP
Number of I/O	25	25	25	22
Data Converters	A/D 24x12b; D/A 1x5b	A/D 24x10b; D/A 1x5b	A/D 24x12b; D/A 1x5b	A/D 14x10b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
EEPROM Size	1K x 8	256 x 8	1K x 8	256 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	1.8V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	PIC18F25	PIC18F25	PIC18F25	PIC18F25
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	PIC	PIC	PIC	PIC
Series	PIC® XLP™ 18K, Functional Safety (FuSa)	PIC® XLP™ 18Q	PIC® XLP™ 18K, Functional Safety (FuSa)	PIC® XLP™ 18K
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Speed	64MHz	64MHz	64MHz	48MHz
Package	Tube	Tube	Tube	Tube

PIC18F25K83-E/SO Datasheet PDF

Download PIC18F25K83-E/SO pdf datasheets and Microchip Technology documentation for PIC18F25K83-E/SO - Microchip Technology.

Datasheets

[PIC18\(L\)F25,26K83 Datasheet.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)



PIC18(L)F25/26K83 10/Jul/2020.pdf

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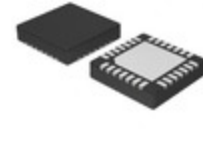
PIC18F25Q10-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K83-E/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



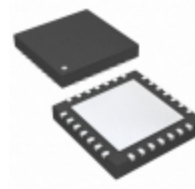
PIC18F25K50-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



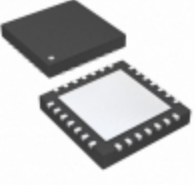
PIC18F25K80-I/MM
Microchip Technology
IC MCU 8BIT 32KB FLASH 28QFN



PIC18F25Q10T-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25Q10T-I/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 28QFN



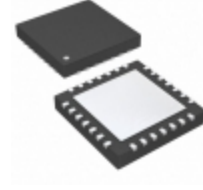
PIC18F25Q10-I/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 28QFN



PIC18F25K50-I/SO
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F25K83-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K83-E/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 28QFN



PIC18F25Q10T-I/SO
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F25K80-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K40T-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K80T-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K80-E/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25K80-I/SO
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F25K83T-I/SS
Microchip Technology
IC MCU 8BIT 32KB FLASH 28SSOP



PIC18F25Q10-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 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

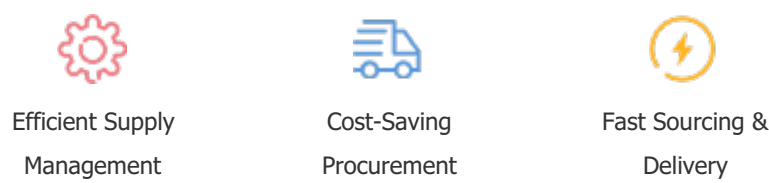
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

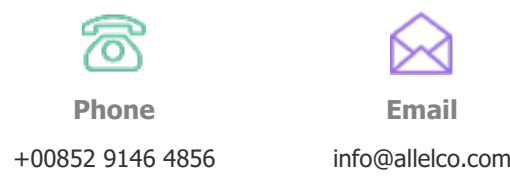
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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Contact us

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