

Image may be representation.
See specifications for product details.



PIC16F685-E/ML

Manufacturer Part Number **PIC16F685-E/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F685-E/ML**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 8BIT 7KB FLASH 20QFN**

Package **20-VFQFN Exposed Pad**

Data sheet [Tips N Tricks Guide.pdf](#)

[PIC12F6xx,PIC16F6xx Programming Spec.pdf](#)

[PIC16F631, 68x, 690 Datasheet.pdf](#)

[PIC16F6xx Product Brief.pdf](#)

RoHs Status **ROHS3 Compliant**

[Get a Quote](#)

PIC16F685-E/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F685-E/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F685-E/ML, please send us email: info@allelco.com

Specifications

PIC16F685-E/ML Tech Specifications

PIC16F685-E/ML - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	20-QFN (4x4)	Number of I/O	18
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	256 x 8
RAM Size	256 x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	-
Package / Case	20-VFQFN Exposed Pad	Base Product Number	PIC16F685
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F685-E/ML

Product Attribute				
Part Number	PIC16F685-E/ML	PIC16F684-I/P	PIC16F685-I/SS	PIC16F685T-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	7KB (4K x 14)	3.5KB (2K x 14)	7KB (4K x 14)	7KB (4K x 14)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	256 x 8	128 x 8	256 x 8	256 x 8
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 12x10b	A/D 8x10b	A/D 12x10b	A/D 12x10b
Core Processor	PIC	PIC	PIC	PIC
Package / Case	20-VFQFN Exposed Pad	14-DIP (0.300", 7.62mm)	20-SSOP (0.209", 5.30mm Width)	20-SSOP (0.209", 5.30mm Width)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Number of I/O	18	12	18	18
Speed	20MHz	20MHz	20MHz	20MHz
Base Product Number	PIC16F685	PIC16F684	PIC16F685	PIC16F685
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Tube	Tube	Tape & Reel (TR)
Supplier Device Package	20-QFN (4x4)	14-PDIP	20-SSOP	20-SSOP
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	-	-	-	-
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
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

PIC16F685-E/ML Datasheet PDF

Download PIC16F685-E/ML pdf datasheets and Microchip Technology documentation for PIC16F685-E/ML - Microchip Technology.

Datasheets

[Tips N Tricks Guide.pdf](#)

[PIC12F6xx,PIC16F6xx Programming Spec.pdf](#)

[PIC16F631, 68x, 690 Datasheet.pdf](#)

 PIC16F6xx Product Brief.pdf

PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

PCN Design/Specification

 CuPdAu wire 25/Nov/2016.pdf

PCN Assembly/Origin

 Bond Wire 27/Sep/2017.pdf

Customers Also Interested in

Recommended Products



PIC16F684-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14DIP



PIC16F685-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F685T-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F687-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



PIC16F687T-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



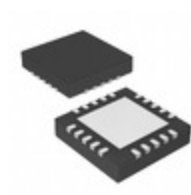
PIC16F684-I/SS

Micrel / Microchip Technology



PIC16F684-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F687-E/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20QFN



PIC16F684-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



PIC16F684T-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F684T-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



PIC16F685-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SOIC



PIC16F687-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20DIP



PIC16F687-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F685-E/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



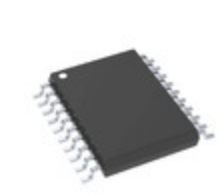
PIC16F684-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



PIC16F684B-I/ST

Micrel / Microchip Technology



PIC16F687-E/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP

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



Email

info@alleco.com

Certifications & Memberships



View More

