



Image may be representation.
See specifications for product details.



PIC16F685-E/SS

Manufacturer Part Number	PIC16F685-E/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16F685-E/SS
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 7KB FLASH 20SSOP
Package	20-SSOP (0.209", 5.30mm Width)
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/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F685-E/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F685-E/SS, please send us email: info@allelco.com

Specifications

PIC16F685-E/SS Tech Specifications

PIC16F685-E/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)	2V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	20-SSOP	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-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F685
Package	Tube		

Parts with Similar Specifications

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

Product Attribute				
Part Number	PIC16F685-E/SS	PIC16F684-I/P	PIC16F684-I/SL	PIC16F687T-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	256 x 8	128 x 8	128 x 8	128 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
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, WDT
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Package	Tube	Tube	Tube	Tape & Reel (TR)
Package / Case	20-SSOP (0.209", 5.30mm Width)	14-DIP (0.300", 7.62mm)	14-SOIC (0.154", 3.90mm Width)	20-SOIC (0.295", 7.50mm Width)
Core Processor	PIC	PIC	PIC	PIC
Supplier Device Package	20-SSOP	14-PDIP	14-SOIC	20-SOIC
Data Converters	A/D 12x10b	A/D 8x10b	A/D 8x10b	A/D 12x10b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Speed	20MHz	20MHz	20MHz	20MHz
Number of I/O	18	12	12	18
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Program Memory Size	7KB (4K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
Base Product Number	PIC16F685	PIC16F684	PIC16F684	PIC16F687
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V
Connectivity	-	-	-	I ² C, SPI, UART/USART

PIC16F685-E/SS Datasheet PDF

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

Datasheets



[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

HTML Datasheet



Tips N Tricks Guide.pdf



PIC12F6xx,PIC16F6xx Programming Spec.pdf

PCN Design/Specification



Lead Frame 22/Dec/2016.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



PIC16F684-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14DIP



PIC16F684-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



PIC16F687T-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



PIC16F687-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20DIP



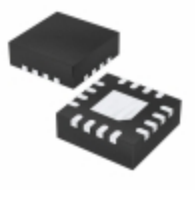
PIC16F687-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SOIC



PIC16F685T-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F684T-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16F685-I/SO

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SOIC



PIC16F685-I/SS

Microchip Technology
IC MCU 8BIT 7KB FLASH 20SSOP



PIC16F684-I/SS

Micrel / Microchip Technology



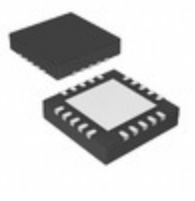
PIC16F687-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F687-E/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F685-E/ML

Microchip Technology
IC MCU 8BIT 7KB FLASH 20QFN



PIC16F684-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



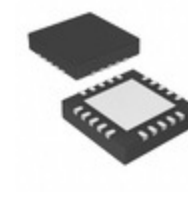
PIC16F684B-I/ST

Micrel / Microchip Technology



PIC16F684T-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



PIC16F687-E/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20QFN



PIC16F687T-I/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 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@Alleco.com