



Image may be representation.  
See specifications for product details.



## ATTINY85-20SU

Manufacturer Part Number	<b>ATTINY85-20SU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATTINY85-20SU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 8KB FLASH 8SOIC
Package	8-SOIC (0.209", 5.30mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b> <b>ATTINY25/45/85(V) Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATTINY85-20SU - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY85-20SU datasheet/specifications on AllelcoElec.com.  
Request a quote for ATTINY85-20SU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATTINY85-20SU Tech Specifications  
ATTINY85-20SU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	8-SOIC	Number of I/O	6
Speed	20MHz	Mounting Type	Surface Mount
Series	AVR® ATtiny, Functional Safety (FuSa)	EEPROM Size	512 x 8
RAM Size	512 x 8	Data Converters	A/D 4x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (4K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	USI
Package / Case	8-SOIC (0.209", 5.30mm Width)	Base Product Number	ATTINY85
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY85-20SU

Product Attribute				
Part Number	ATTINY85-20SU	ATTINY85-20MU	ATTINY84A-SSF	ATTINY85-20PU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Connectivity	USI	USI	USI	USI
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	1.8V ~ 5.5V	2.7V ~ 5.5V
Core Processor	AVR	AVR	AVR	AVR
RAM Size	512 x 8	512 x 8	512 x 8	512 x 8
Package	Tube	Tray	Tube	Tube
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	8-SOIC (0.209", 5.30mm Width)	20-WFQFN Exposed Pad	14-SOIC (0.154", 3.90mm Width)	8-DIP (0.300", 7.62mm)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Base Product Number	ATTINY85	ATTINY85	ATTINY84	ATTINY85
Number of I/O	6	6	12	6
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)	8KB (4K x 16)
Supplier Device Package	8-SOIC	20-QFN-EP (4x4)	14-SOIC	8-PDIP
Series	AVR® ATtiny, Functional Safety (FuSa)	AVR® ATtiny, Functional Safety (FuSa)	AVR® ATtiny	AVR® ATtiny, Functional Safety (FuSa)
Data Converters	A/D 4x10b	A/D 4x10b	A/D 8x10b	A/D 4x10b
Speed	20MHz	20MHz	20MHz	20MHz
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Brown-out Detect/Reset, POR, PWM, WDT

### ATTINY85-20SU Datasheet PDF

Download ATTINY85-20SU pdf datasheets and Microchip Technology documentation for ATTINY85-20SU - Microchip Technology.

#### Datasheets

[ATTINY25/45/85\(V\) Datasheet.pdf](#)

#### PCN Packaging

[2.73KHz.pdf](#)

## PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



Copper Bonding Wire 17/Oct/2013.pdf

## HTML Datasheet



Cylindrical Battery Holders.pdf

## PCN Assembly/Origin



2.73KHz.pdf

## Customers Also Interested in

### Recommended Products



#### ATTINY85-20MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



#### ATTINY84A-SSF

Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



#### ATTINY85-20PU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8DIP



#### ATTINY861-15MD

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32QFN



#### ATTINY85V-10SU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



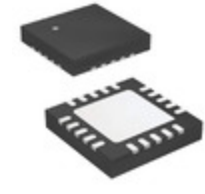
#### ATTINY85-20SUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



#### ATTINY85-15ST1

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



#### ATTINY84V-10MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



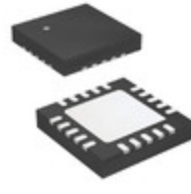
#### ATTINY84A-SSFR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



#### ATTINY861-15XZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20TSSOP



#### ATTINY861-15MAZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



#### ATTINY861-15MZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 32QFN



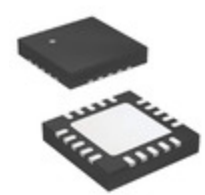
#### ATTINY85V-10SUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



#### ATTINY85-20SUR

Atmel  
IC MCU 8BIT 8KB FLASH 8SOIC



#### ATTINY85V-10MU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



#### ATTINY85-15SZ

Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



#### ATTINY84A-SSUR

Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



#### ATTINY84A-SSU

Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC

## 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

