STM32F100R8T7B

Manufacturer Part Number	STM32F100R8T7B
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F100R8T7B
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F100R8T7B.pdf
RoHs Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

Get a Quote

STM32F100R8T7B - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F100R8T7B datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F100R8T7B Tech Specifications
STM32F100R8T7B - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	51
Speed	24MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	STM32F100
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F100R8T7B

Product Attribute				
Part Number	STM32F100R8T7B	STM32F100RCT6	STM32F100RBH6BTR	STM32F100R8T6B
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
EEPROM Size	-	-	-	-
Base Product Number	STM32F100	STM32F100	STM32F100	STM32F100
Package / Case	64-LQFP	64-LQFP	64-TFBGA	64-LQFP
Number of I/O	51	51	51	51
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	24MHz	24MHz	24MHz	24MHz
RAM Size	8K x 8	24K x 8	8K x 8	8K x 8
Supplier Device Package	64-LQFP (10x10)	-	-	64-LQFP (10x10)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tray	Tape & Reel (TR)	Tray
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Program Memory Size	64KB (64K x 8)	256KB (256K x 8)	128KB (128K x 8)	64KB (64K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Series	STM32F1	STM32F1	STM32F1	STM32F1
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT

STM32F100R8T7B Datasheet PDF

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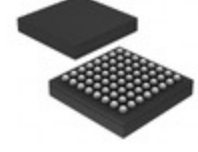### PCN Packaging

📄 2.73KHz.pdf

PCN Design/Specification
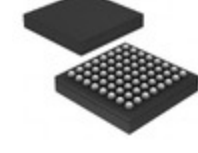
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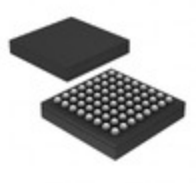
PCN Assembly/Origin

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■ Customers Also Interested in

Recommended Products

STM32F100RCT6
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP

STM32F100R8T6B,32
STMicroelectronics

STM32F100RBH6TR,32
STMicroelectronics

STM32F100RBH6BTR
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64TFBGA

STM32F100R8T6B
STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP

STM32F100R4T6B,32
STMicroelectronics

STM32F100R6T6B
STMicroelectronics
IC MCU 32BIT 32KB FLASH 64LQFP

STM32F100RBH6TR
STMicroelectronics

STM32F100RBH6
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STM32F100R8T6
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STM32F100RBH6B
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64TFBGA

STM32F100R4T6B
STMicroelectronics
IC MCU 32BIT 16KB FLASH 64LQFP

STM32F100R6H6
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STM32F100R8T6BTR
STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP

STM32F100R8H6B
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IC MCU 32BIT 64KB FLASH 64BGA

STM32F100R8H6
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STM32F100RBT6BTR
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IC MCU 32BIT 128KB FLASH 64LQFP

STM32F100RBT6B
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP

■ 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.

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