



Image may be representation.
See specifications for product details.



STM32F105RBT6

Manufacturer Part Number	STM32F105RBT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F105RBT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F105xx, 7xx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F105RBT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F105RBT6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F105RBT6, please send us email: info@allelco.com

Specifications

STM32F105RBT6 Tech Specifications

STM32F105RBT6 - 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 ~ 85°C (TA)
Speed	72MHz	Number of I/O	51
Series	STM32F1	Mounting Type	Surface Mount
RAM Size	64K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Size	128KB (128K x 8)	Core Size	32-Bit Single-Core
Peripherals	DMA, POR, PWM, Voltage Detect, WDT	Core Processor	ARM® Cortex®-M3
Package / Case	64-LQFP	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG
Package	Tray	Base Product Number	STM32F105

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F105RBT6

Product Attribute				
Part Number	STM32F105RBT6	STM32F103ZFH6	STM32F103ZGH6	STM32F103ZGH6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	128KB (128K x 8)	768KB (768K x 8)	1MB (1M x 8)	1MB (1M x 8)
Number of I/O	51	112	112	112
Data Converters	A/D 16x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b
Package / Case	64-LQFP	144-LFBGA	144-LFBGA	144-LFBGA
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	72MHz	72MHz	72MHz	72MHz
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	64K x 8	96K x 8	96K x 8	96K x 8
Base Product Number	STM32F105	STM32F103	STM32F103	STM32F103
Package	Tray	Tray	Tray	Tape & Reel (TR)
Peripherals	DMA, POR, PWM, Voltage Detect, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Series	STM32F1	STM32F1	STM32F1	STM32F1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

STM32F105RBT6 Datasheet PDF

Download STM32F105RBT6 pdf datasheets and STMicroelectronics documentation for STM32F105RBT6 - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

[Box Label Chg 28/Jul/2016.pdf](#)

PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)

[Mult Dev Assembly Chg 2/Jul/2019.pdf](#)

HTML Datasheet

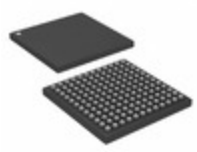
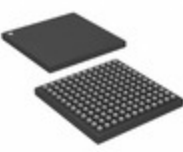
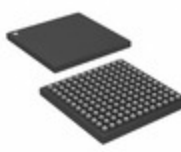


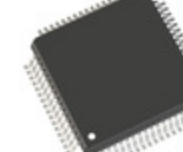


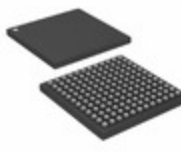


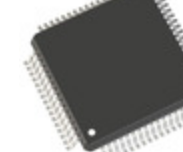


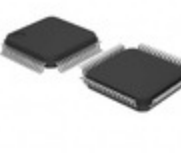

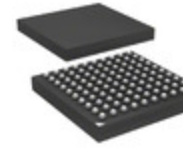

STM32F105xx, 7xx.pdf

PCN Assembly/Origin

STM32F107 A/T 10/Jun/2021.pdf

Customers Also Interested in

Recommended Products

					
STM32F103ZFH6 STMicroelectronics IC MCU 32BIT 768KB FLSH 144LFBGA	STM32F103ZGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144BGA	STM32F103ZGH6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 144LFBGA	STM32F105RCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F103ZFT6 STMicroelectronics IC MCU 32BIT 768KB FLASH 144LQFP	STM32F105R8T6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP
					
STM32F103ZGT6,32 STMicroelectronics	STM32F103ZGT6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32F103ZFH6TR STMicroelectronics IC MCU 32BIT 768KB FLSH 144LFBGA	STM32F105VBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	STM32F105R8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	STM32F105RCT7 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP
					
STM32F103ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32F105VCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	STM32F105RCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F105V8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	STM32F105VBH6 STMicroelectronics IC MCU 32BIT 128KB FLASH 100BGA	STM32F105RBT6TR 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.



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