



STM32F429BIT6

Manufacturer Part Number	STM32F429BIT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F429BIT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 2MB FLASH 208LQFP
Package	208-LQFP
Data sheet	STM32F427xx, STM32F429xx Datasheet.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

STM32F429BIT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F429BIT6 datasheet/specifications on AllelcoElec.com.
Request a quote for STM32F429BIT6, please send us email: info@allelco.com

Specifications

STM32F429BIT6 Tech Specifications
STM32F429BIT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	208-LQFP (28x28)	Number of I/O	168
Speed	180MHz	Mounting Type	Surface Mount
Series	STM32F4	EEPROM Size	-
RAM Size	256K x 8	Data Converters	A/D 24x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	2MB (2M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG
Package / Case	208-LQFP	Base Product Number	STM32F429
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F429BIT6

Product Attribute				
Part Number	STM32F429BIT6	STM32F429NGH6	STM32F427ZIT7	STM32F429BET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Series	STM32F4	STM32F4	STM32F4	STM32F4
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	168	168	114	168
RAM Size	256K x 8	256K x 8	256K x 8	256K x 8
Supplier Device Package	208-LQFP (28x28)	216-TFBGA (13x13)	144-LQFP (20x20)	208-LQFP (28x28)
Data Converters	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32F429	STM32F429	STM32F427	STM32F429
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	208-LQFP	216-TFBGA	144-LQFP	208-LQFP
EEPROM Size	-	-	-	-
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Speed	180MHz	180MHz	180MHz	180MHz
Program Memory Size	2MB (2M x 8)	1MB (1M x 8)	2MB (2M x 8)	512KB (512K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core

STM32F429BIT6 Datasheet PDF

Download STM32F429BIT6 pdf datasheets and STMicroelectronics documentation for STM32F429BIT6 - STMicroelectronics.

PCN Packaging



Material Barrier Bag 17/Dec/2020.pdf



Box Label Chg 28/Jul/2016.pdf

HTML Datasheet




STM32F427xx, STM32F429xx Datasheet.pdf

PCN Assembly/Origin


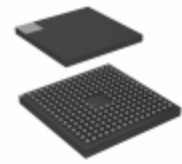






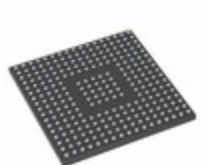



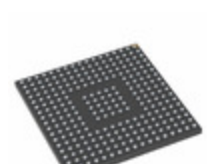

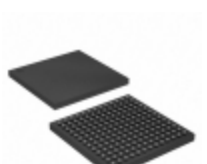
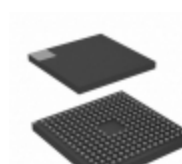
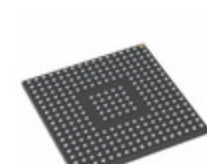

 STM32F4y7/9 Source Add 13/Mar/2018.pdf

PCN Design/Specification

 LQFP 28x28 208L Leadframe Chg 25/Nov/2015.pdf

Customers Also Interested in

Recommended Products

 STM32F429IGT6,32 STMicroelectronics	 STM32F429NGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 216TFBGA	 STM32F427ZGT6,32 STMicroelectronics	 STM32F427ZIT7 STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	 STM32F427VIT7 STMicroelectronics	 STM32F429BET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 208LQFP
 STM32F427ZIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 144LQFP	 STM32F427VIT6TR STMicroelectronics IC MCU 32BIT 2MB FLASH 100LQFP	 STM32F429IEH6 STMicroelectronics IC MCU 32BIT 512KB FLSH 176UFBGA	 STM32F429IIT6 STMicroelectronics IC MCU 32BIT 2MB FLASH 176LQFP	 STM32F429IGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 176LQFP	 STM32F427ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP
 STM32F429IGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 176UFBGA	 STM32F429BGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 208LQFP	 STM32F429AGH6 STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	 STM32F429NIH6 STMicroelectronics IC MCU 32BIT 2MB FLASH 216TFBGA	 STM32F429IIH6 STMicroelectronics IC MCU 32BIT 2MB FLASH 176UFBGA	 STM32F427VIT6SEN STMicroelectronics

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](#)

