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See specifications for product details.



STM32F429ZIY6TR

Manufacturer Part Number **STM32F429ZIY6TR**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32F429ZIY6TR**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 32BIT 2MB FLASH 143WLCSP**

Package **143-UFBGA, WLCSP**

Data sheet **STM32F427xx, STM32F429xx Datasheet.pdf**

RoHs Status **ROHS3 Compliant**

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Specifications

STM32F429ZIY6TR Tech Specifications

STM32F429ZIY6TR - 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	143-WLCSP (4.52x5.55)	Number of I/O	114
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	143-UFBGA, WLCSP	Base Product Number	STM32F429
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F429ZIY6TR

Product Attribute				
Part Number	STM32F429ZIY6TR	STM32F437VGT6	STM32F429ZGT6	STM32F429ZET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	143-UFBGA, WLCSP	100-LQFP	144-LQFP	144-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	180MHz	180MHz	180MHz	180MHz
RAM Size	256K x 8	256K x 8	256K x 8	256K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
EEPROM Size	-	-	-	-
Package	Tape & Reel (TR)	Tray	Tray	Tray
Base Product Number	STM32F429	STM32F437	STM32F429	STM32F429
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	2MB (2M x 8)	1MB (1M x 8)	1MB (1M x 8)	512KB (512K x 8)
Supplier Device Package	143-WLCSP (4.52x5.55)	100-LQFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)
Number of I/O	114	82	114	114
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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, LCD, POR, PWM, WDT	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	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
Data Converters	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Series	STM32F4	STM32F4	STM32F4	STM32F4

STM32F429ZIY6TR Datasheet PDF

Download STM32F429ZIY6TR pdf datasheets and STMicroelectronics documentation for STM32F429ZIY6TR - STMicroelectronics.

HTML Datasheet



STM32F427xx, STM32F429xx Datasheet.pdf

PCN Assembly/Origin

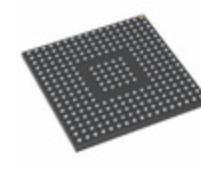
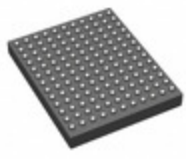
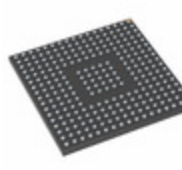


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Shipment

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.

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