



Image may be representation.
See specifications for product details.



NUCLEO-F401RE

Manufacturer Part Number	NUCLEO-F401RE
Manufacturer	STMicroelectronics
Allelco Part Number	32D-NUCLEO-F401RE
ECAD Model	Request Free CAD Models
Parts Description	NUCLEO-64 STM32F401RE EVAL BRD
Package	
Data sheet	NUCLEO-zzzzRx Data Brief.pdf STM32 Nucleo Getting Started Manual.pdf STM32 Nucleo User Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NUCLEO-F401RE - STMicroelectronics.New Original in Stock. Download Linear Technology NUCLEO-F401RE datasheet/specifications on AllelcoElec.com.
Request a quote for NUCLEO-F401RE, please send us email: info@allelco.com

Specifications

NUCLEO-F401RE Tech Specifications
NUCLEO-F401RE - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating System	-
Utilized IC / Part	STM32F401RE, mbed-Enabled Development	Mounting Type	Fixed
Type	MCU 32-Bit	Interconnect System	Arduino R3 Shield, ST Morpho
Suggested Programming Environment	GNU GCC, IAR EW, Keil MDK, Mbed-Enabled	Core Processor	ARM® Cortex®-M4
Series	STM32F4	Contents	Board(s)
Platform	Nucleo-64	Board Type	Evaluation Platform
Package	Box	Base Product Number	NUCLEO

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics NUCLEO-F401RE

Product Attribute				
Part Number	NUCLEO-F401RE	NUCLEO-L152RE	NUCLEO-F429ZI	NUCLEO-H743ZI
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Utilized IC / Part	STM32F401RE, mbed-Enabled Development	STM32L152RE, mbed-Enabled Development	STM32F429ZI, mbed-Enabled Development	STM32H743ZI, mbed-Enabled Development
Operating System	-	-	-	-
Base Product Number	NUCLEO	NUCLEO	NUCLEO	NUCLEO
Package	Box	Box	Bulk	Bulk
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M3	ARM® Cortex®-M4	ARM® Cortex®-M7
Suggested Programming Environment	GNU GCC, IAR EW, Keil MDK, Mbed-Enabled	GNU GCC, IAR EW, Keil MDK, Mbed-Enabled	GNU GCC, IAR EW, Keil MDK, Mbed-Enabled	GNU GCC, IAR EW, Keil MDK, Mbed-Enabled
Mounting Type	Fixed	Fixed	Fixed	Fixed
Series	STM32F4	STM32L1	STM32F4	STM32H7
Board Type	Evaluation Platform	Evaluation Platform	Evaluation Platform	Evaluation Platform
Interconnect System	Arduino R3 Shield, ST Morpho	Arduino R3 Shield, ST Morpho	Arduino R3 Shield, ST Morpho, ST Zio	Arduino R3 Shield, ST Morpho, ST Zio
Type	MCU 32-Bit	MCU 32-Bit	MCU 32-Bit	MCU 32-Bit
Platform	Nucleo-64	Nucleo-64	Nucleo-144	Nucleo-144
Contents	Board(s)	Board(s)	Board(s)	Board(s)

NUCLEO-F401RE Datasheet PDF

Download NUCLEO-F401RE pdf datasheets and STMicroelectronics documentation for NUCLEO-F401RE - STMicroelectronics.

Datasheets

[STM32 Nucleo Getting Started Manual.pdf](#)

PCN Packaging

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

HTML Datasheet

[NUCLEO-zzzzRx Data Brief.pdf](#)

[STM32 Nucleo User Manual.pdf](#)

Customers Also Interested in

Recommended Products



NUCLEO-L152RE



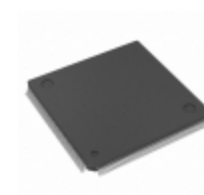
NUC980DK63YC



NUCLEO-F429ZI



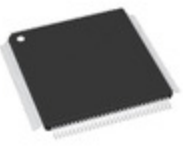
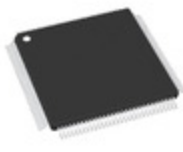







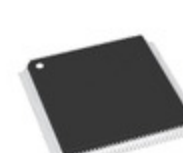


NUCLEO-H743ZI



NUC980DF71Y



NUCLEO-F030R8

STMicroelectronics NUCLEO-64 STM32L152RE EVAL BRD	Nuvoton Technology Corporation IC MPU ARM9 64MB DDR-II MEMORYLQ	STMicroelectronics NUCLEO-144 STM32F429ZI EVAL BRD	STMicroelectronics NUCLEO-144 STM32H743ZI EVAL BRD	Nuvoton Technology Corporation IC MPU ARM9 128MB DDR-II MEMORYLQ	STMicroelectronics NUCLEO-64 STM32F030R8 EVAL BRD
					
NUC980DK61YC Nuvoton Technology Corporation IC MPU ARM9 64MB DDR-II MEMORYLQ	NUC980DK71YC Nuvoton Technology Corporation IC MPU ARM9 128MB DDR-II MEMORYLQ	NUCLEO-F334R8 STMicroelectronics NUCLEO-64 STM32F334R8 DEV EVAL	NUCLEO-F072RB STMicroelectronics NUCLEO-64 STM32F072RB EVAL BRD	NUCLEO-F303K8 STMicroelectronics NUCLEO-32 STM32F303K8 DEV EVAL	NUCLEO-G070RB STMicroelectronics NUCLEO-64 STM32G070 EVAL BRD
					
NUC980DF71YC Nuvoton Technology Corporation IC MPU ARM9 128MB DDR-II MEMORYLQ	NUCLEO-L476RG STMicroelectronics NUCLEO-64 STM32L476RG DEV EVAL	NUCLEO-F446ZE STMicroelectronics NUCLEO-144 STM32F446ZE EVAL BRD	NUC980DK61Y Nuvoton Technology Corporation IC MPU ARM9 64MB DDR-II MEMORYLQ	NUC977DK62Y Nuvoton Technology Corporation ARM9 SOC (STACKED 64MB DDR2) 128	NUCLEO-L4R5ZI STMicroelectronics NUCLEO-144 STM32L4R5ZI EVAL BRD

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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Certifications & Memberships



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