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See specifications for product details.



STM32G071G8U6N

Manufacturer Part Number **STM32G071G8U6N**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32G071G8U6N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 32BIT 64KB FLASH 28UFQFPN**

Package **28-UFQFN**

Data sheet **[STM32G071x8, STM32G071xB Datasheet.pdf](#)**

RoHs Status **ROHS3 Compliant**

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STM32G071G8U6N - STMicroelectronics.New Original in Stock. Download Linear Technology STM32G071G8U6N datasheet/specifications on AllelcoElec.com.
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Specifications

STM32G071G8U6N Tech Specifications

STM32G071G8U6N - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-UFQFPN (4x4)	Number of I/O	26
Speed	64MHz	Mounting Type	Surface Mount
Series	STM32G0	EEPROM Size	-
RAM Size	36K x 8	Data Converters	A/D 11x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Connectivity	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-UFQFN	Base Product Number	STM32G071
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32G071G8U6N

Product Attribute				
Part Number	STM32G071G8U6N	STM32G071C8U6	STM32G071C8U3	STM32G071G8U6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
Connectivity	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART	HDMI-CEC, I ² C, IrDA, LINbus, SPI, UART/USART
Base Product Number	STM32G071	STM32G071	STM32G071	STM32G071
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	36K x 8	36K x 8	36K x 8	36K x 8
Package / Case	28-UFQFN	48-UFQFN Exposed Pad	48-UFQFN Exposed Pad	28-UFQFN
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	28-UFQFPN (4x4)	48-UFQFPN (7x7)	48-UFQFPN (7x7)	28-UFQFPN (4x4)
Series	STM32G0	STM32G0	STM32G0	STM32G0
Number of I/O	26	44	44	26
Data Converters	A/D 11x12b; D/A 2x12b	A/D 17x12b; D/A 2x12b	A/D 17x12b; D/A 2x12b	A/D 12x12b; D/A 2x12b
Package	Tray	Tray	Tray	Tape & Reel (TR)
Speed	64MHz	64MHz	64MHz	64MHz
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)

STM32G071G8U6N Datasheet PDF

Download STM32G071G8U6N pdf datasheets and STMicroelectronics documentation for STM32G071G8U6N - STMicroelectronics.

Datasheets

[STM32G071x8, STM32G071xB Datasheet.pdf](#)

PCN Packaging

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



Datasheets enhancement 01/Sep/2021.pdf



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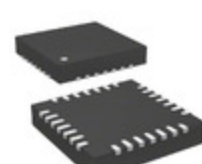
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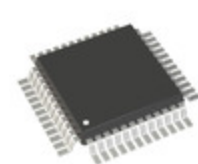
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STMicroelectronics
IC MCU 32BIT 128KB FLSH 48UFQFPN



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IC MCU 32BIT 128KB FLSH 48UFQFPN



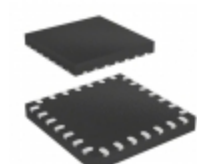
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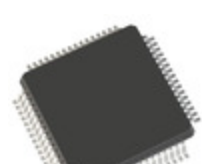
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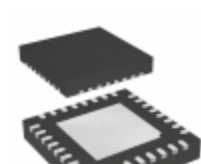
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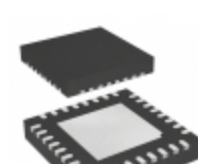
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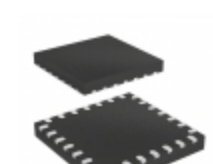
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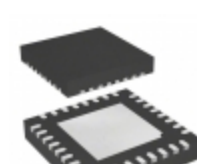
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STM32G071K8U6
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IC MCU 32BIT 64KB FLASH 32UFQFPN



STM32G071EBY6TR
STMicroelectronics
IC MCU 32BIT 128KB FLASH 25WLCSP



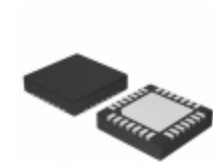
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Shipment

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

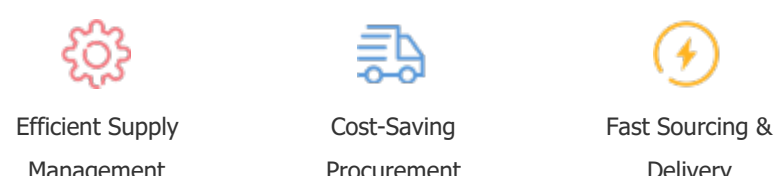
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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Contact us

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Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com