

STM32F042K6U6

STM32F042K6U6 Information

	Part Number	STM32F042K6U6
		STMicroelectronics
www.investment.com	Category	Integrated Circuits (ICs) Embedded - Microcontrollers
E	Description	IC MCU 32BIT 32KB FLASH 32UFQFPN
EE UNIN	Package	32-UFQFN Exposed Pad
		For the pricing/inventory/lead time, please contact
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com



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1

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STM32F042K6U6 Specifications

Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Embedded - Microcontrollers S2-UFQFN Exposed Pad Package 32-UFQFN Exposed Pad Series STM32 F0 Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 48MHz Connectivity CAN, HDMI-CEC, 12C, IrDA, LIN, SPI, UART/USART, USB Peripherals DMA, 12S, POR, PWM, WDT Program Memory Size 32KB (32K x 8) Program Memory Type FLASH Program Memory Type FLASH Secillator Type AfD 13x12b Ontactorverters A/D 13x12b Operating Temperature 40°C ~ 85°C (TA) Operating Temperature 40°C ~ 85°C (TA) Package / Case 32-UFQFN Exposed Pad Supplier Device Package 32-UFQFN Exposed Pad					
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage32-UFQFN Exposed PadSeriesSTM32 F0Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed48MHzConnectivityCAN, HDMI-CEC, 12C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, 12S, POR, PWM, WDTProgram Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersJAD 13x12bDerating Temperature40°C ~ 85°C (TA)Advanting Type-Package / Case32-UFQFN (Sx5)	Manufacturer Part Number	STM32F042K6U6	STM32F042K6U6		
Embedded - MicrocontrollersPackage32-UFQFN Exposed PadSeriesSTM32 F0Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed48MHzConnectivityCAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, I2S, POR, PWM, WDTVumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDerating Temperature-40°C ~ 85°C (TA)Aunting Type-Package / Case32-UFQFPN (5x5)	Manufacturer	STMicroelectronics			
Package32-UFQFN Exposed PadSeriesSTM32 F0Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed48MHzConnetivityCAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, 12S, POR, PWM, WDTPeripherals26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDerating Temperature-40°C ~ 85°C (TA)Automiting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Category	Integrated Circuits (ICs)			
SeriesSTM32 F0Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed48MHzConnectivityCAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, I2S, POR, PWM, WDTNumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersAD 13x12bDoreiting Temperature-40°C ~ 85°C (TA)Program Speed32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)		Embedded - Microcontrollers			
Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed48MHzConnectivityCAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, I2S, POR, PWM, WDTNumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VDerating TemperatureA/O °C ~ 85°C (TA)Operating Temperature32-UFQFN Exposed PadPackage / Case32-UFQFN (Sx5)	Package	32-UFQFN Exposed Pad			
Core Size32-BitSpeed48MHzConnectivityCAN, HDMI-CEC, IZC, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, I2S, POR, PWM, WDTNumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VDerating Temperature-40°C ~ 85°C (TA)Operating Temperature-24°C ~ 85°C (TA)Package / Case32-UFQFN (5x5)	Series	STM32 F0			
Speed48MHzConnectivityCAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsDMA, I2S, POR, PWM, WDTNumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VDerating Temperature4.0°C ~ 85°C (TA)Operating Temperature-Package / Case32-UFQFN (Sts)Supplier Device Package32-UFQFN (Sts)	Core Processor	ARM? Cortex?-M0			
Connectivity CAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USB Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 26 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH SEPROM Size - RAM Size 6K x 8 Voltag - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V Data Converters A/D 13x12b Derating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-UFQFN Exposed Pad Supplier Device Package 32-UFQFN (5x5)	Core Size	32-Bit			
PeripheralsDMA, 12S, POR, PWM, WDTNumber of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHProgram Memory Type-EEPROM Size-AM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDerating Temperature-40°C ~ 85°C (TA)Operating Temperature32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Speed	48MHz			
Number of I/O26Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-AAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Connectivity	CAN, HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART, USB			
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Peripherals	DMA, I2S, POR, PWM, WDT			
Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Number of I/O	26			
EEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Program Memory Size	32KB (32K x 8)			
RAM Size6K x 8Voltage - Supply (Vcc/Vd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Program Memory Type	FLASH			
Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 13x12bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	EEPROM Size	-			
Data ConvertersA/D 13x12bData ConvertersInternalDerating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	RAM Size	6K x 8			
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V			
Derating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Data Converters	A/D 13x12b			
Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Oscillator Type	Internal			
Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Operating Temperature	-40°C ~ 85°C (TA)			
Supplier Device Package32-UFQFPN (5x5)	Mounting Type	-			
	Package / Case	32-UFQFN Exposed Pad	32-UFQFN Exposed Pad		
Report errors?	Supplier Device Package	32-UFQFPN (5x5)			
			Report errors?		

STM32F042K6U6 Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

STM32F042K6U6 Payment Methods





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