



STM32F051R8T6 Information



For Reference Only

Part Number STM32F051R8T6

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 64KB FLASH 64LQFP

Package 64-LQFP

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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STM32F051R8T6 Specifications

Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-LQFP Series STM32 F0 Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 48MHz Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size -		
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Embedded - Microcontrollers Package 64-LQFP Series STM32 F0 Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 48MHz Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Manufacturer	STMicroelectronics
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SeriesSTM32 F0Core ProcessorARM? Cortex?-M0Core Size 32 -BitSpeed 48 MHzConnectivityHDMI-CEC, I2C, IrDA, LIN, SPI, UART/USARTPeripheralsDMA, I2S, POR, PWM, WDTNumber of I/O 55 Program Memory Size 64 KB $(64$ K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size 8 K x 8Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 VData Converters A /D 19 x12b, D/A 1 x12b		Embedded - Microcontrollers
Core Processor Core Size 32-Bit Speed 48MHz Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters AMD 19x12b, D/A 1x12b	Package	64-LQFP
Core Size 32-Bit Speed 48MHz Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Series	STM32 F0
Speed 48MHz Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Core Processor	ARM? Cortex?-M0
Connectivity HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Core Size	32-Bit
Peripherals DMA, I2S, POR, PWM, WDT Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters DMA, I2S, POR, PWM, WDT 55 RAM, Size 64KB (64K x 8) FLASH FLASH A/D 19x12b, D/A 1x12b	Speed	48MHz
Number of I/O 55 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Connectivity	HDMI-CEC, I2C, IrDA, LIN, SPI, UART/USART
Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Peripherals	DMA, I2S, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Number of I/O	55
EEPROM Size - RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 2 V ~ 3.6 V Data Converters A/D 19x12b, D/A 1x12b	Program Memory Size	64KB (64K x 8)
RAM Size $8K \times 8$ Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 19x12b, D/A 1x12b$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 19x12b, D/A 1x12b$	EEPROM Size	-
Data Converters A/D 19x12b, D/A 1x12b	RAM Size	8K x 8
	Voltage - Supply (Vcc/Vdd)	2 V ~ 3.6 V
Oscillator Type Internal	Data Converters	A/D 19x12b, D/A 1x12b
	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 64-LQFP	Package / Case	64-LQFP
Supplier Device Package -	Supplier Device Package	-
Report errors?		Report errors

STM32F051R8T6 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.

STM32F051R8T6 Payment Methods



















STM32F051R8T6 Shipping Methods













If you have any question about STM32F051R8T6, please do not hesitate to contact us!

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