

STM32F100C8T6BTR

STM32F100C8T6BTR Information



For Reference Only

Part Number STM32F100C8T6BTR

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 64KB FLASH 48LQFP

Package 48-LQFP

For the pricing/inventory/lead time, please contact

us

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



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STM32F100C8T6BTR Specifications

Manufacturer Part Number Manufacturer STMicroelectronics Integrated Circuits (ICs) Embedded - Microcontrollers Package 48-LQFP Series STM32 F1 Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 24MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 10x12b; D/A 2x12b Operating Temperature Jeckage / Case 48-LQFP		
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Package 48-LQFP Series STM32 F1 Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 24MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Category	Integrated Circuits (ICs)
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Package	48-LQFP
Core Size 32-Bit Speed 24MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Series	STM32 F1
Speed 24MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Core Processor	ARM? Cortex?-M3
Connectivity Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Core Size	32-Bit
Peripherals DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT Number of I/O 37 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type -	Speed	24MHz
Number of I/O Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type -	Connectivity	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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, 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 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Number of I/O	37
EEPROM Size-RAM Size $8K \times 8$ Voltage - Supply (Vcc/Vdd) $2 \times 3.6 \times 4$ Data Converters $A/D \times 10x \times 12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	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 $A/D 10x12b$; $D/A 2x12b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type $-$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 10x12b; D/A 2x12b$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $-$	EEPROM Size	-
Data ConvertersA/D $10x12b$; D/A $2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-	RAM Size	8K x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Mounting Type -	Voltage - Supply (Vcc/Vdd)	2 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type -	Data Converters	A/D 10x12b; D/A 2x12b
Mounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 48-LQFP	Mounting Type	-
	Package / Case	48-LQFP
Supplier Device Package 48-LQFP (7x7)	Supplier Device Package	48-LQFP (7x7)
Report errors		Report errors?

STM32F100C8T6BTR Guarantees



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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.

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STM32F100C8T6BTR Shipping Methods













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