



STR715FR0T1 Information



For Reference Only

Part Number STR715FR0T1

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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STR715FR0T1 Specifications

Manufacturer Part Number STR715FR0T1 Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Package 64-LQFP Series STR7 Core Processor ARM7? Core Size 32-Bit Speed 66MHz Connectivity 12C, HDLC, SmartCard, SPI, UART/USART Peripherals PWM, WDT Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package - Feport errors?	•	
CategoryIntegrated Circuits (ICs)Package64-LQFPSeriesSTR7Core ProcessorARM7?Core Size32-BitSpeed66MHzConnectivity12C, HDLC, SmartCard, SPI, UART/USARTPeripheralsPWM, WDTNumber of I/O32Program Memory Size64KB (64K x 8 + 16K)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 4x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package-	Manufacturer Part Number	STR715FR0T1
Package 64-LQFP Series STR7 Core Processor ARM7? Core Size 32-Bit Speed 66MHz Connectivity 12C, HDLC, SmartCard, SPI, UART/USART Peripherals PWM, WDT Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Manufacturer	STMicroelectronics
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Series STR7 Core Processor ARM7? Core Size 32-Bit Speed 66MHz Connectivity 12C, HDLC, SmartCard, SPI, UART/USART Peripherals PWM, WDT Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -		Embedded - Microcontrollers
Core ProcessorARM7?Core Size32-BitSpeed66MHzConnectivity12C, HDLC, SmartCard, SPI, UART/USARTPeripheralsPWM, WDTNumber of I/O32Program Memory Size64KB (64K x 8 + 16K)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 4x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package-	Package	64-LQFP
Core Size 32-Bit Speed 66MHz Connectivity 12C, HDLC, SmartCard, SPI, UART/USART Peripherals PWM, WDT Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Series	STR7
Speed66MHzConnectivityI2C, HDLC, SmartCard, SPI, UART/USARTPeripheralsPWM, WDTNumber of I/O32Program Memory Size64KB (64K x 8 + 16K)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 4x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package-	Core Processor	ARM7?
Connectivity I2C, HDLC, SmartCard, SPI, UART/USART Peripherals PWM, WDT Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Core Size	32-Bit
Peripherals Number of I/O 32 Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case Supplier Device Package -	Speed	66MHz
Number of I/O32Program Memory Size64KB (64K x 8 + 16K)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 4x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package-	Connectivity	I2C, HDLC, SmartCard, SPI, UART/USART
Program Memory Size 64KB (64K x 8 + 16K) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Peripherals	PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Number of I/O	32
EEPROM Size - 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Program Memory Size	64KB (64K x 8 + 16K)
RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V Data Converters A/D 4x12b Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)3 V ~ 3.6 VData ConvertersA/D 4x12bOscillator TypeInternalOperating Temperature0°C ~ 70°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package-	EEPROM Size	-
Data ConvertersA/D $4x12b$ Oscillator TypeInternalOperating Temperature $0^{\circ}C \sim 70^{\circ}C$ (TA)Mounting Type-Package / Case 64-LQFP Supplier Device Package-	RAM Size	16K x 8
Oscillator Type Internal Operating Temperature 0°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Operating Temperature O°C ~ 70°C (TA) Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Data Converters	A/D 4x12b
Mounting Type - Package / Case 64-LQFP Supplier Device Package -	Oscillator Type	Internal
Package / Case 64-LQFP Supplier Device Package -	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package -	Mounting Type	-
	Package / Case	64-LQFP
Report errors?	Supplier Device Package	-
		Report errors

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Quality Guarantees

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