

# STR735FZ2T6

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### STR735FZ2T6 Information

www.helsenen.com	Part Number	STR735FZ2T6	
	Manufacturer	STMicroelectronics	
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	Description	MCU 32BIT 256KB FLASH 144LQFP	
	Package	144-LQFP	
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	

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### STR735FZ2T6 Specifications

Manufacturer Part Number STR735F22T6   Manufacturer STMicroelectronics   Category Integrated Circuits (ICs)   Embedded - Microcontrollers Embedded - Microcontrollers   Package 144.LQFP   Series STR7   Core Processor ARM7?   Core Size 32-Bit   Speed 36MHz   Conceixity IZC, SPL, UART/USART   Paripherals DMA, POR, PWM, WDT   Number of I/O I12   Program Memory Size 256KB (256K x 8)   Pargar Memory Type ELASH   Voltage - Supply (Vcc/Vdd) 4.5 V ~ 5.5 V   Data Converters AD 16x10b   Orgarding Temperature 4.0°C ~ 8°C (TA)   Mounting Type -   Package / Case 14.LQFP		
CategoryIntegrated Circuits (ICs)Rehaded - MicrocontrollersPackage144-LQFPSeriesSTR7Core ProcessorARM7?Core Size32-BitSpeed36MHzConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Nutsize16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersArdD 16x10bOperating TypeInternalOperating Type-Adunting Type-Ackage / Case144-LQFPSupplier Device Package-Supplier Device Package-	Manufacturer Part Number	STR735FZ2T6
Heredded - MicrocontrollersPackage144-LQFPSeriesSTR7Core ProcessorARM7?Core Size32-BitSpeed36MHzConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)PerpOM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16110bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFPSuppler Device Package-Suppler Device Package-	Manufacturer	STMicroelectronics
Package144-LQFPSeriesSTR7Core ProcessorARM7?Core Size32-BitSpeed36MHzConctivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory SizeS6KB (256K x 8)Program Memory TypeFLASHEEPROM Size.Voltage - Supply (Vcc/Vdd)A/D 16x10bData ConvertersA/D 16x10bOperating Temperature.40°C ~ 85°C (TA)Mounting Type.144-LQFPSupplier Device Package.Supplier Device Package.	Category	Integrated Circuits (ICs)
SeriesSTR7Core ProcessorARM7?Core Size32-BitSpeed36MHzConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case144LQFPSupplier Device Package-		Embedded - Microcontrollers
Core ProcessorARM7?Core Size32-BitSpeed36MHzConnectivity12C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature4.0°C ~ 85°C (TA)Mounting Type-Package / Case144LQFPSupplier Device Package-	Package	144-LQFP
Core Size32-BitSpeed36MHzConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-Mounting Type-Stake144-LQFPSupplier Device Package-	Series	STR7
Speed36MHzConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersMuternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-40°C ~ 85°C (TA)Supplier Device Package-Supplier Device Package-	Core Processor	ARM7?
ConnectivityI2C, SPI, UART/USARTPeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersMuternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFPSupplier Device Package-	Core Size	32-Bit
PeripheralsDMA, POR, PWM, WDTNumber of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Speed	36MHz
Number of I/O112Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Connectivity	I2C, SPI, UART/USART
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Peripherals	DMA, POR, PWM, WDT
Program Memory TypeFLASHFEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Number of I/O	112
EEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LQFPSupplier Device Package-	Program Memory Size	256KB (256K x 8)
RAM SizeI6K x 8Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	EEPROM Size	-
Data ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	RAM Size	16K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package-	Data Converters	A/D 16x10b
Mounting Type-Package / Case144-LQFPSupplier Device Package-	Oscillator Type	Internal
Package / Case144-LQFPSupplier Device Package-	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (\text{TA})$
Supplier Device Package -	Mounting Type	-
	Package / Case	144-LQFP
Report errors?	Supplier Device Package	-
Report crois:		Report errors?

### STR735FZ2T6 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.

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### STR735FZ2T6 Shipping Methods



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