

# STR910FAM32X6

#### STR910FAM32X6 Information

www.helsener.com	 STR910FAM32X6 STMicroelectronics Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 256KB FLASH 80LQFP 80-LQFP For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## STR910FAM32X6 Specifications

Manufacturer     STMicroelectronics       Manufacturer     STMicroelectronics       Manufacturer     StMicroelectronics       Category     Integrated Circuits (ICs)       Embedded - Microcontrollers     80-LQFP       Package     80-LQFP       Series     STR9       Core Processor     ARM9?       Core Size     32-Bit       Speed     96MHz       Connectivity     CAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USART       Peripherals     Brown-out Detect/Reset, DMA, POR, PWM, WDT       Number of I/O     40       Program Memory Size     256KB (256K x 8)       Program Memory Type     FLASH       EEPROM Size     -       RAM Size     64K x 8       Voltage - Supply (Vcc/Vdd)     1.65 V ~ 2 V       Data Converters     A/D 8x10b       Oscillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Mounting Type     -       Package / Case     80-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage80-LQFPSeriesSTR9Core ProcessorARM9?Core Size32-BitSpeed96MHzConnectivityCAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size56KB (256K x 8)EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Munting Type-Package / Case80-LQFPSupplier Device Package-	Manufacturer Part Number	STR910FAM32X6	
Indecide of MicrocontrollersPackage80-LQFPSeriesSTR9Core ProcessorARM9?Core Size32-BitSpeed96MHzConnectivityCAN, 12C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V - 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-Package / Case80-LQFPSupplier Device Package-Supplier Device Package-Supplier Device Package-Supplier Device Package-Supplier Device Package-	Manufacturer	STMicroelectronics	
Package80-LQFPSeriesSTR9Core ProcessorARM9?Core Size32-BitSpeed96MHzConnectivityCAN, 12C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case80-LQFPSupplier Device Package-	Category	Integrated Circuits (ICs)	
SeriesSTR9Core ProcessorARM9?Core Size32-BitSpeed96MHzConnectivityCAN, 12C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltag - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case80-LQFPSupplier Device Package-		Embedded - Microcontrollers	
Core ProcessorARM9?Core Size32-BitSpeed96MHzConnectivityCAN, 12C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-Package / Case80-LQFPSupplier Device Package-	Package	80-LQFP	
Core Size32-BitSpeed96MHzConnectivityCAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Series	STR9	
Speed96MHzConnectivityCAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Core Processor	ARM9?	
ConnectivityCAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Speed	96MHz	
Number of I/O40Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Connectivity	CAN, I2C, IrDA, Microwire, SPI, SSI, SSP, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Number of I/O	40	
EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Program Memory Size	256KB (256K x 8)	
RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.65 V ~ 2 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	EEPROM Size	-	
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	RAM Size	64K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 2 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package-	Data Converters	A/D 8x10b	
Mounting Type-Package / Case80-LQFPSupplier Device Package-	Oscillator Type	Internal	
Package / Case 80-LQFP   Supplier Device Package -	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package -	Mounting Type	-	
	Package / Case	80-LQFP	
Report errors?	Supplier Device Package	-	
		Report er	rrors?

#### STR910FAM32X6 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.

#### STR910FAM32X6 Payment Methods



### STR910FAM32X6 Shipping Methods



If you have any question about STR910FAM32X6, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com