

# S9S12GA128F0VLF

## S9S12GA128F0VLF Information

	Part Number Manufacturer Category Description Package	S9S12GA128F0VLF NXP Integrated Circuits (ICs) Embedded - Microcontrollers 16-BIT MCU S12 CORE 128KB FLAS 48-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

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# S9S12GA128F0VLF Specifications

ManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size8K x 8Notage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFP		
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Embeddef - MicrocontrollersPackage48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size3.13 V ~ 5.5 VNutage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersMoltagenatureOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (Tx7)	Manufacturer	NXP
Package48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)PERPOM SizeKx 8RAM SizeSKX 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersInternalOperating Temperature40°C ~ 105°C (TA)Photogram SpeedSternalSternal SpeedSternalSupplier Device Package48-LQFP (x7)	Category	Integrated Circuits (ICs)
SeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator Type-Program Temperature-Prokage / Case48-LQFPSupplier Device Package48-LQFP (7x7)		Embedded - Microcontrollers
Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-Prokage / Case48-LQFPSupplier Device Package48-LQFP (x7)	Package	48-LQFP
Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Series	HCS12
Speed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Core Processor	12V1
Connectivity CANbus, IrDA, LINbus, SCI, SPI   Peripherals LVD, POR, PWM, WDT   Number of I/O 40   Program Memory Size 128KB (128K x 8)   Program Memory Type FLASH   EEPROM Size 4K x 8   Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V   Data Converters A/D 12x12b   Oscillator Type Internal   Operating Temperature -40°C ~ 105°C (TA)   Package / Case 48-LQFP   Supplier Device Package 48-LQFP (7x7)	Core Size	16-Bit
Peripherals LVD, POR, PWM, WDT   Number of I/O 40   Program Memory Size 128KB (128K x 8)   Program Memory Type FLASH   EEPROM Size 4K x 8   RAM Size 8K x 8   Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V   Data Converters A/D 12x12b   Operating Temperature -40°C ~ 105°C (TA)   Package / Case 48-LQFP (7x7)	Speed	25MHz
Number of I/O 40   Program Memory Size 128KB (128K x 8)   Program Memory Type FLASH   EEPROM Size 4K x 8   RAM Size 8K x 8   Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V   Data Converters A/D 12x12b   Oscillator Type Internal   Operating Temperature -40°C ~ 105°C (TA)   Package / Case 48-LQFP   Supplier Device Package 48-LQFP (7x7)	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Peripherals	LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size4K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Number of I/O	40
EEPROM Size4K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Size	128KB (128K x 8)
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $3.13$ V ~ $5.5$ VData ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature $-40^{\circ}$ C ~ $105^{\circ}$ C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP ( $7x7$ )	EEPROM Size	4K x 8
Data ConvertersA/D 12x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	RAM Size	8K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Voltage - Supply (Vcc/Vdd)	3.13 V ~ 5.5 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Data Converters	A/D 12x12b
Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Oscillator Type	Internal
Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package48-LQFP (7x7)	Mounting Type	-
	Package / Case	48-LQFP
Report errors?	Supplier Device Package	48-LQFP (7x7)
		Report errors?

### S9S12GA128F0VLF 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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