

S9S12G96AMLFR

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S9S12G96AMLFR Information

	Part Number	S9S12G96AMLFR	
	Manufacturer	NXP	
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	Description	16BIT 96K FLASH	
	Package	48-LQFP	
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	

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S9S12G96AMLFR Specifications

ManufacturerNXPManufacturerIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8RAM SizeSK x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFP		
CategoryIntegrated Circuits (ICs)Enhedded - MicrocontrollersPackage48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size96KB (96K x 8)PergoryFLASHEEPROM Size3K x 8Nd SizeSK x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Manufacturer Part Number	S9S12G96AMLFR
Endeddef - Microcontrollers Package 48-LQFP Series HCS12 Core Processor 12V1 Core Size 16-Bit Speed 25MHz Connectivity CANbus, IrDA, LINbus, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 40 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 3K x 8 RAM Size SK x 8 Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type Internal Operating Temperature - Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP (Tx7)	Manufacturer	NXP
Package48-LQFPSeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O96KB (96K x 8)Program Memory SizeSK x 8EEPROM SizeSK x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersMonting TypeOperating Temperature40°C ~ 125°C (TA)Mounting TypeSta SL QFPAgkage / Case48-LQFP (x7)	Category	Integrated Circuits (ICs)
SeriesHCS12Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersAD 12x10bOscillator Type-Program Type-Preating Temperature-Abounting Type-Prokage / Case48-LQFP (7x7)		Embedded - Microcontrollers
Core Processor12V1Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersAD 12x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Prakage / Case48-LQFP (x7)	Package	48-LQFP
Core Size16-BitSpeed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersArb 12x10bOperating Temperature40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Series	HCS12
Speed25MHzConnectivityCANbus, IrDA, LINbus, SCI, SPIPeripheralsLVD, POR, PWM, WDTNumber of I/O40Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Core Processor	12V1
Connectivity CANbus, IrDA, LINbus, SCI, SPI Peripherals LVD, POR, PWM, WDT Number of I/O 40 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 3K x 8 Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V Data Converters A/D 12x10b Operating Temperature -40°C ~ 125°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 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 3K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V Data Converters A/D 12x10b Operating Temperature -40°C ~ 125°C (TA) Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Speed	25MHz
Number of I/O 40 Program Memory Size 96KB (96K x 8) Program Memory Type FLASH EEPROM Size 3K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 3.13 V ~ 5.5 V Data Converters A/D 12x10b Oscillator Type -40°C ~ 125°C (TA) Operating Temperature - Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Connectivity	CANbus, IrDA, LINbus, SCI, SPI
Program Memory Size96KB (96K x 8)Program Memory TypeFLASHEEPROM Size3K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (Tx7)	Peripherals	LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size3K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Number of I/O	40
EEPROM Size3K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Size	96KB (96K x 8)
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)3.13 V ~ 5.5 VData ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°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 12x10bOscillator TypeInternalOperating Temperature -40° C ~ 125° C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP ($7x7$)	EEPROM Size	3K x 8
Data ConvertersA/D 12x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	RAM Size	8K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°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 ~ 125°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Data Converters	A/D 12x10b
Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Oscillator Type	Internal
Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package48-LQFP (7x7)	Mounting Type	-
Supplier Device Package48-LQFP (7x7)	Package / Case	48-LQFP
Report errors?	Supplier Device Package	48-LQFP (7x7)
		Report errors?

S9S12G96AMLFR Guarantees



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