

C8051F912-D-GU

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C8051F912-D-GU Information

Annany Com	Part Number	C8051F912-D-GU	
	Manufacturer	Silicon Labs	
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
	Description	IC MCU 8BIT 16KB FLASH 24QSOP	
	Package	24-SSOP (0.154", 3.90mm Width)	
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	

Certified Quality

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C8051F912-D-GU Specifications

Manufacturer Silicon Labs Category Integrated Circuits (ICs) Embedded - Microcontrollers Category Package 24-SSOP (0.154", 3.90mm Width) Series C8051F9xx Core Processor 8051 Core Size 8-Bit Speed 25MHz Connectivity SMBus (2-Wire/I2C), SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT Number of I/O 16 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH SEPROM Size - AVA Size 768 x 8 Voltage - Supply (Vcc/Vdd) 0.9 V ~ 3.6 V Data Converters A/D 15x10/12b Descillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Advonting Type - Package / Case 24-SSOP (0.154", 3.90mm Width)	_		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage24-SSOP (0.154", 3.90mm Width)SeriesC8051F9xxCore Processor8051Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTProgram Memory Size16Program Memory TypeFLASHEEPROM Size-AM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VDetation TypeInternalOperating Temperature-40°C ~ 85°C (TA)Adounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)	Manufacturer Part Number	C8051F912-D-GU	
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SeriesC8051F9xxCore Processor8051Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-AdM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDerating Temperature-40°C ~ 85°C (TA)Advage / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP		Embedded - Microcontrollers	
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Core Size8-BitSpeed5MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHSEPROM Size-AM Size09 V ~ 3.6 VOtaque rypeInternalOutage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VDetating Temperature-40°C ~ 85°C (TA)Operating Temperature-40°C ~ 85°C (TA)Operating Type24.SSOP (0.154", 3.90mm Width)Supplier Device Package24.QSOP	Series	C8051F9xx	
Speed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-AM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDerating Temperature-40°C ~ 85°C (TA)Program Memory Size24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Core Processor	8051	
ConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTConnectivityBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTPeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDeterating Temperature-40°C ~ 85°C (TA)Package / Case24-SSOP (0.154", 3.90mm Width)	Core Size	8-Bit	
PeripheralsBrown-out Detect/Reset, POR, PWM, Temp Sensor, WDTNumber of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHProgram Memory Type-RAM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDerating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Speed	25MHz	
Number of I/O16Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-CAM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Adunting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Connectivity	SMBus (2-Wire/I2C), SPI, UART/USART	
Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Advoutting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	
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BEPROM Size-RAM Size768 x 8Voltage - Supply (Vcc/Vdd)0.9 V ~ 3.6 VData ConvertersA/D 15x10/12bData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Program Memory Size	16KB (16K x 8)	
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Data ConvertersA/D 15x10/12bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	RAM Size	768 x 8	
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Operating Device Package24-QSOP	Voltage - Supply (Vcc/Vdd)	0.9 V ~ 3.6 V	
Deperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Data Converters	A/D 15x10/12b	
Mounting Type-Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Oscillator Type	Internal	
Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-QSOP	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 24-QSOP	Mounting Type	-	
	Package / Case	24-SSOP (0.154", 3.90mm Width)	
Report errors?	Supplier Device Package	24-QSOP	
			Report errors?

C8051F912-D-GU 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.

C8051F912-D-GU Payment Methods



C8051F912-D-GU Shipping Methods



If you have any question about C8051F912-D-GU, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com