

C8051F822-GSR

C8051F822-GSR Information

	Part Number	C8051F822-GSR
For Reference Only	Manufacturer	Silicon Labs
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers
	Description	IC MCU 8BIT 8KB FLASH 16SOIC
	Package	16-SOIC (0.154", 3.90mm Width)
		For the pricing/inventory/lead time, please contact
		us
		Website: https://www.heisener.com
		E-mail: salesdept@heisener.com



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C8051F822-GSR Specifications

Manufacturer Silicon Labs Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 16-SOIC (0.154", 3.90mm Width) Series C8051F82x Core Processor 8051 Core Size 8-Bit Speed 25MHz Connectivity SMBus (2-Wire/I2C), SPI, UART/USART Connectivity SMBus (2-Wire/I2C), SPI, UART/USART Program Memory Size KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage16-SOIC (0.154", 3.90mm Width)SeriesC8051F82xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)EEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Operating Temperature440°C ~ 85°C (TA)Operating Type6-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	C8051F822-GSR
Embedded - Microcontrollers Package 16-SOIC (0.154", 3.90mm Width) Series C8051F82x Core Processor 8051 Core Size 8-Bit Speed 25MHz Connectivity SMBus (2-Wire/12C), SPI, UART/USART Peripherals Cap Sense, POR, PWM, WDT Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.154", 3.90mm Width)	Manufacturer	Silicon Labs
Package16-SOIC (0.154", 3.90mm Width)SeriesC8051F82xCore Processor8051Core Size8-BitSpeed25MHzConnetivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Occillator Type-40°C ~ 85°C (TA)Operating Temperature-6.SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Category	Integrated Circuits (ICs)
SeriesC8051F82xCore Processor8051Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC		Embedded - Microcontrollers
Core Processor8051Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/12C), SPI, UART/USARTConnectivityCap Sense, POR, PWM, WDTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Operating Temperature-40°C ~ 85°C (TA)Mounting Type16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
Core Size8-BitSpeed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Operating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)	Series	C8051F82x
Speed25MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)	Core Processor	8051
ConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTConnectivityCap Sense, POR, PWM, WDTPeripheralsCap Sense, POR, PWM, WDTNumber of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)	Core Size	8-Bit
Peripherals Cap Sense, POR, PWM, WDT Number of I/O 13 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters - Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 16-SOIC (0.154", 3.90mm Width)	Speed	25MHz
Number of I/O13Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Connectivity	SMBus (2-Wire/I2C), SPI, UART/USART
Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Peripherals	Cap Sense, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Number of I/O	13
EEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Program Memory Size	8KB (8K x 8)
RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	EEPROM Size	-
Data Converters-Data Converters-Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	RAM Size	512 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Data Converters	-
Mounting Type-Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Oscillator Type	Internal
Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 16-SOIC	Mounting Type	-
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

C8051F822-GSR 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 EUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

C8051F822-GSR Payment Methods



If you have any question about C8051F822-GSR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com