

C8051F567-IQR

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C8051F567-IQR Information

For Reference Only	Part Number	C8051F567-IQR
	Manufacturer	Silicon Labs
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers
	Description	IC MCU 8BIT 16KB FLASH 32LQFP
	Package	32-LQFP
		For the pricing/inventory/lead time, please contact
		us
		Website: https://www.heisener.com
		E-mail: salesdept@heisener.com



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.



C8051F567-IQR Specifications

ManufacturerSilicon LabsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage 32 -LQFPSeriesC8051F56xCore Processor8051Core Size8-BitSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)EEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case32-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage32-LQFPSeriesC8051F56xCore Processor8051Core Size8-BitSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)EEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOperating Temperature-40°C ~ 125°C (TA)Munting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Manufacturer Part Number	C8051F567-IQR	
Embedded - MicrocontrollersPackage32-LQFPSeriesC8051F56xCore Processor8051Core Size8-BitSpeed50MHzConcectivitySMBus (2-Wire/12C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Manufacturer	Silicon Labs	
Package32-LQFPSeriesC8051F56xCore Processor8051Core Size8-BitSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)PERPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Package / Case32-LQFP (7x7)	Category	Integrated Circuits (ICs)	
Series C805 F56x Core Processor 8051 Core Size 8-Bit Speed 50MHz Connectivity SMBus (2-Wire/12C), SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size - Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.25 V Data Converters A/D 25x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 32-LQFP (37)		Embedded - Microcontrollers	
Core Processor8051Core Size8-BitSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersAD 25x12bOscillator TypeInternalOperating Temperature-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Package	32-LQFP	
Core Size8-BitSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.55 K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Series	C8051F56x	
Speed50MHzSpeed50MHzConnectivitySMBus (2-Wire/I2C), SPI, UART/USARTPeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Core Processor	8051	
Connectivity SMBus (2-Wire/I2C), SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 5.25 V Data Converters A/D 25x12b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type - Package / Case 32-LQFP (7x7)	Core Size	8-Bit	
PeripheralsPOR, PWM, Temp Sensor, WDTNumber of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Speed	50MHz	
Number of I/O25Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Connectivity	SMBus (2-Wire/I2C), SPI, UART/USART	
Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Peripherals	POR, PWM, Temp Sensor, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bDoscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Number of I/O	25	
EEPROM Size-RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Program Memory Size	16KB (16K x 8)	
RAM Size2.25K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFP (7x7)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 5.25 VData ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	EEPROM Size	-	
Data ConvertersA/D 25x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	RAM Size	2.25K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.25 V	
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Data Converters	A/D 25x12b	
Mounting Type-Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Oscillator Type	Internal	
Package / Case32-LQFPSupplier Device Package32-LQFP (7x7)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package32-LQFP (7x7)	Mounting Type	-	
	Package / Case	32-LQFP	
Report errors?	Supplier Device Package	32-LQFP (7x7)	
		Report errors?	

C8051F567-IQR 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.

C8051F567-IQR Payment Methods





If you have any question about C8051F567-IQR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com