



C8051F562-IMR Information

William Hill

For Reference Only

Part Number C8051F562-IMR **Manufacturer** Silicon Labs

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 8BIT 32KB FLASH 32QFN

Package 32-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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C8051F562-IMR Specifications

Manufacturer Part Number Manufacturer Silicon Labs Integrated Circuits (ICs) Embedded - Microcontrollers 32-VFQFN Exposed Pad Series Core Processor Core Processor Speed Speed SoMHz Connectivity SMBus (2-Wire/I2C), LIN, SPI, UART/USART Peripherals PoR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size RAM Size Voltage - Supply (Vcc/Vdd) Data Converters Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA)		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 32-VFQFN Exposed Pad Series C8051F56x Core Processor 8051 Core Size 8-Bit Speed 50MHz Connectivity SMBus (2-Wire/I2C), LIN, SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K 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)	Manufacturer Part Number	C8051F562-IMR
Embedded - Microcontrollers Package 32-VFQFN Exposed Pad Series C8051F56x Core Processor 8051 Core Size 8-Bit Speed 50MHz Connectivity SMBus (2-Wire/I2C), LIN, SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K 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)	Manufacturer	Silicon Labs
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Speed 50MHz Connectivity SMBus (2-Wire/I2C), LIN, SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K 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)	Core Processor	8051
Connectivity SMBus (2-Wire/I2C), LIN, SPI, UART/USART Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K 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 Operating Temperature -40°C ~ 125°C (TA)	Core Size	8-Bit
Peripherals POR, PWM, Temp Sensor, WDT Number of I/O 25 Program Memory Size 32KB (32K 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)	Speed	50MHz
Number of I/O25Program Memory Size $32KB (32K \times 8)$ Program Memory TypeFLASHEEPROM Size-RAM Size $2.25K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 5.25 \text{ V}$ Data ConvertersA/D $25\times12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)	Connectivity	SMBus (2-Wire/I2C), LIN, SPI, UART/USART
Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V \sim 5.25 V Data Converters A/D 25x12b Oscillator Type Internal Operating Temperature -40°C \sim 125°C (TA)	Peripherals	POR, PWM, Temp Sensor, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V \sim 5.25 V Data Converters A/D 25x12b Oscillator Type Internal Operating Temperature -40°C \sim 125°C (TA)	Number of I/O	25
EEPROM Size-RAM Size 2.25K x 8 Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 5.25 \text{ V}$ Data ConvertersA/D $25 \text{x} 12 \text{b}$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)	Program Memory Size	32KB (32K x 8)
RAM Size $ 2.25 \text{K x 8} $ Voltage - Supply (Vcc/Vdd) $ 1.8 \text{ V} \sim 5.25 \text{ V} $ Data Converters $ A/D 25x12b $ Oscillator Type $ Internal $ Operating Temperature $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 5.25 \text{ V}$ Data Converters $A/D 25x12b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)}$	EEPROM Size	-
Data ConvertersA/D $25x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)	RAM Size	2.25K x 8
Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.25 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Data Converters	A/D 25x12b
	Oscillator Type	Internal
M. C. T.	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 32-VFQFN Exposed Pad	Package / Case	32-VFQFN Exposed Pad
Supplier Device Package 32-QFN (5x5)	Supplier Device Package	32-QFN (5x5)
Report errors		Report errors?

C8051F562-IMR 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.

C8051F562-IMR Payment Methods





















C8051F562-IMR Shipping Methods













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