

**C8051F381-GMR Information**


For Reference Only

**Part Number** [C8051F381-GMR](#)  
**Manufacturer** Silicon Labs  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 64KB FLASH 32QFN  
**Package** 32-VFQFN Exposed Pad  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

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.


**C8051F381-GMR Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">C8051F381-GMR</a>  |
| Manufacturer               | Silicon Labs   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 32-VFQFN Exposed Pad   |
| Series                     | C8051F38x  |
| Core Processor             | 8051   |
| Core Size                  | 8-Bit  |
| Speed                      | 48 MIPS  |
| Connectivity               | I2C, SPI, UART/USART, USB  |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                       |
| Number of I/O              | 25   |
| Program Memory Size        | 64KB (64K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 4.25K x 8  |
| Voltage - Supply (Vcc/Vdd) | 2.7 V ~ 5.25 V   |
| Data Converters            | A/D 21x10b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 32-VFQFN Exposed Pad   |
| Supplier Device Package    | 32-QFN (5x5)   |

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## C8051F381-GMR 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.

## C8051F381-GMR Payment Methods



## C8051F381-GMR Shipping Methods



If you have any question about C8051F381-GMR, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)