

**C8051F591-IMR Information**


For Reference Only

**Part Number** [C8051F591-IMR](#)  
**Manufacturer** Silicon Labs  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 96KB FLASH 40QFN  
**Package** 40-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.


**C8051F591-IMR Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">C8051F591-IMR</a>  |
| Manufacturer               | Silicon Labs   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 40-VFQFN Exposed Pad   |
| Series                     | C8051F59x  |
| Core Processor             | 8051   |
| Core Size                  | 8-Bit  |
| Speed                      | 50MHz  |
| Connectivity               | EBI/EMI, SMBus (2-Wire/I2C), SPI, UART/USART                             |
| Peripherals                | POR, PWM, Temp Sensor, WDT   |
| Number of I/O              | 33   |
| Program Memory Size        | 96KB (96K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 8.25K x 8  |
| Voltage - Supply (Vcc/Vdd) | 1.8 V ~ 5.25 V   |
| Data Converters            | A/D 32x12b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 125°C (TA)   |
| Mounting Type              | -  |
| Package / Case             | 40-VFQFN Exposed Pad   |
| Supplier Device Package    | 40-QFN (6x6)   |

[Report errors?](#)

## C8051F591-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.

## C8051F591-IMR Payment Methods



## C8051F591-IMR Shipping Methods



If you have any question about C8051F591-IMR, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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