

**MB91213APMC-GS-164E1 Information**


For Reference Only

**Part Number** MB91213APMC-GS-164E1  
**Manufacturer** Cypress Semiconductor Corp  
**Category** Integrated Circuits (ICs)  
     Embedded - Microcontrollers  
**Description** IC MCU 32BIT 544KB MROM 144LQFP  
**Package** 144-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


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**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.


**MB91213APMC-GS-164E1 Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | MB91213APMC-GS-164E1                                     |
| Manufacturer               | Cypress Semiconductor Corp                               |
| Category                   | Integrated Circuits (ICs)<br>Embedded - Microcontrollers |
| Package                    | 144-LQFP   |
| Series                     | FR MB91210   |
| Core Processor             | FR60Lite RISC  |
| Core Size                  | 32-Bit   |
| Speed                      | 40MHz  |
| Connectivity               | CAN, LIN, SPI, UART/USART                                |
| Peripherals                | DMA, WDT   |
| Number of I/O              | 118  |
| Program Memory Size        | 544KB (544K x 8)   |
| Program Memory Type        | Mask ROM   |
| EEPROM Size                | -  |
| RAM Size                   | 24K x 8  |
| Voltage - Supply (Vcc/Vdd) | 3 V ~ 5.5 V  |
| Data Converters            | A/D 32x10b   |
| Oscillator Type            | External   |
| Operating Temperature      | -40°C ~ 105°C (TA)                                       |
| Mounting Type              | -  |
| Package / Case             | 144-LQFP   |
| Supplier Device Package    | 144-LQFP (20x20)   |

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## MB91213APMC-GS-164E1 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.

## MB91213APMC-GS-164E1 Payment Methods



## MB91213APMC-GS-164E1 Shipping Methods



If you have any question about MB91213APMC-GS-164E1, please do not hesitate to contact us!

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

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